

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Todd Ingber Examiner #: 75084 Date: 3/18/05
 Art Unit: 2124 Phone Number 80 Serial Number: 1010561708
 Mail Box and Bldg/Room Location: 5C18 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: early 2000 or earlier

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Looking for Object Oriented Technology

where request for OOA method is made to a central repository and the method is sent to the object. NOT a pure message.

An Object - Has methods (operations & functions, procedures)
Attributes (data fields)

ORB - is a central Repository where whole objects are.

This is a form of method broker not object broker.

message in OO typically how methods are called.

Looking for a message that results in a method being brokered to a caller (object).

STAFF USE ONLY

Searcher: <u>Geoffrey St-Leger</u>	Type of Search	Vendors and cost where applicable
Searcher Phone #: <u>43340</u>	NA Sequence (#) _____	STN _____
Searcher Location: <u>4B31</u>	AA Sequence (#) _____	Dialog <u>✓</u>
Date Searcher Picked Up: <u>4/12/05</u>	Structure (#) _____	Questel/Orbit _____
Date Completed: <u>4/18/05</u>	Bibliographic _____	Dr.Link _____
Searcher Prep & Review Time: <u>60</u>	Litigation _____	Lexis/Nexis _____
Clerical Prep Time: _____	Fulltext <u>✓</u>	Sequence Systems _____
Online Time: <u>90</u>	Patent Family _____	WWW/Internet <u>✓</u>
	Other _____	Other (specify) _____


File 275:Gale Group Computer DB(TM) 1983-2005/Apr 15
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(c) 1999 The Gale Group
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File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 610:Business Wire 1999-2005/Apr 15
(c) 2005 Business Wire.
File 613:PR Newswire 1999-2005/Apr 15
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Set	Items	Description
S1	578	METHOD? ??(7W) (CALL??? OR INVOK??? OR REQUEST???) (7W)OBJECT?
	?	
S2	790	OBJECT? ??(7W) (CALL??? OR INVOK??? OR REQUEST???) (7W)METHOD?
	?	
S3	11	(METHOD(5W) (BROKERED OR FORWARD??? OR ADVANC??? OR CONVEY?? ?? OR PASS???) (ON)) (7W)OBJECT? ?
S4	11	((BROKERING OR BROKERS OR FORWARD??? OR ADVANC??? OR CONVE- Y??? OR PASS???) (ON) (5W)METHOD) (7W)OBJECT? ?
S5	0	(BROKERED(3W)METHOD) (7N)OBJECT
S6	18002	METHOD? ??(7N) (BROKER OR AGENT? ? OR PROXY OR PROXIES OR EN- VOY? ? OR GO()BETWEEN OR INTERMEDIAR??? OR MEDIAR??? OR MIDDLE- WARE?? OR MIDDLEWARE OR REPOSITORY OR REPOSITORIES OR DIRECTORY OR DIRECTORIES OR LIBRARY OR LIBRARIES OR POOL? ?)
S7	22	S3:S4
S8	16	RD (unique items)
S9	1	METHOD(5W)DISPATCHED(7W)OBJECT? ?
S10	0	((DISPATCHING OR DISPATCHES) (5W)METHOD) (7W)OBJECT? ?
S11	170	S1:S2(50N)S6
S12	116	RD (unique items)
S13	163	(METHOD? ??(5W) (CALLED OR INVOKED OR REQUESTED)) (7W)OBJECT?
	?	
S14	561	OBJECT? ??(5W) (CALL? ? OR CALLING OR INVOKE OR INVOKES OR I- NVOKING OR REQUEST OR REQUESTS OR REQUESTING) (7W)METHOD? ?
S15	132	S13:S14(50N)S6
S16	86	RD (unique items)
S17	81	S16 NOT PY=2001:2005
S18	123	(METHOD? ??(3W) (CALLED OR INVOKED OR REQUESTED)) (7W)OBJECT?
	?	
S19	324	(OBJECT? ??(3W) (CALL? ? OR CALLING OR INVOKE OR INVOKES OR - INVOKING OR REQUEST OR REQUESTS OR REQUESTING)) (5W)METHOD? ?
S20	80	S18:S19(50N)S6

S21	50	RD (unique items)
S22	47	S21 NOT PY=2001:2005

8/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02251484 SUPPLIER NUMBER: 53378681 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Building a Lightweight COM Interception Framework Part 1: The Universal
Delegator.(Technology Tutorial)(Abstract)**
Brown, Keith
Microsoft Systems Journal, 14, 1, 17(1)
Jan, 1999
DOCUMENT TYPE: Abstract ISSN: 0889-9932 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4822 LINE COUNT: 00454



... be to provide a layer of in-process COM objects that looks exactly
like the existing objects, whose implementation simply logs an audit record
and **forwards** each **method** call to the real **object** (see Figure 1).

(Figure 1 ILLUSTRATION OMITTED)

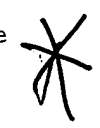
One obvious problem with this approach is its tediousness. For each
class of object, the auditing layer must...

? t/3,k/2-16

8/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02167894 SUPPLIER NUMBER: 20347956 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Build MTS components with Visual Basic for deployment in your ASP-based
apps. (Microsoft Transaction Server) (Technology Tutorial)(Tutorial)**
Pattison, Ted
Microsoft Systems Journal, v13, n4, p19(9)
April, 1998
DOCUMENT TYPE: Tutorial ISSN: 0889-9932 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6792 LINE COUNT: 00615

... the MTS Executive connects the client to the
context wrapper and activates the actual MTS object inside
the context of the wrapper. The context wrapper **forwards**
method calls from the MTS client to the **object**. When a
method call on the root object completes, the object can be
destroyed without dropping the client's connection to the
context wrapper. When...



8/3,K/3 (Item 3 from file: 275)
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01650203 SUPPLIER NUMBER: 16209776
**SOM opens door to real world. (IBM's System Object Model and Distributed
System Object Model object software development technologies) (The Meta
View) (Column)**
Babcock, Charles
Computerworld, v28, n33, p6(1)
August 15, 1994
DOCUMENT TYPE: Column ISSN: 0010-4841 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: will likely be part of many technologies being considered by
IS managers; they underlie the CORBA set of object-oriented software
development specifications. Object request **brokers** are used as the
method -dispatch engines for distributed **objects**; their compliance with
the CORBA standard makes it easier for businesses to implement object
systems. SOM overcomes the inability of objects written in different

languages...

8/3,K/4 (Item 4 from file: 275)
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01429946 SUPPLIER NUMBER: 10757405 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NCR, others join forces to set industry standards. (Object Management Group standards)
Mallory, Jim
Newsbytes, NEW05160024
May 16, 1991
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 175 LINE COUNT: 00015

... development of applications which will operate across multiple distributed computing technologies.

NCR says they will provide a compiler with an interface to NCR's Remote **Method** Invocation, an **advanced** technique for **object** communication. They will also provide common class libraries, which are sets of reusable objects utilized by programmers to develop applications quickly.

(Jim Mallory/19910516/Press...

8/3,K/5 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2005 The Gale Group. All rts. reserv.

01607065 Supplier Number: 48285404 (USE FORMAT 7 FOR FULLTEXT)
New Java Tool Identifies Performance Problems; Introducing KL Group's JProbe -- The Easiest Way To Eliminate Java Bottlenecks.
Business Wire, p02100163
Feb 10, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 999

... shows the calling relationships between Java methods. Color is used to display any of 5 metrics for each method: Cumulative Time, Method Time, Cumulative Objects, **Method** **Objects** and Number of Calls. -- **Advanced** Source Code display which shows how much time is used, and how many objects are created, by each line of source code. -- Profiles both Java...

8/3,K/6 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01491646 Supplier Number: 42083196 (USE FORMAT 7 FOR FULLTEXT)
NCR, OTHERS JOIN FORCES TO SET INDUSTRY STANDARDS 5/16/91
Newsbytes, pN/A
May 16, 1991
Language: English Record Type: Fulltext
Document Type: Newswire; General Trade
Word Count: 159

... development of applications which will operate across multiple distributed computing technologies.

NCR says they will provide a compiler with an interface to NCR's Remote **Method** Invocation, an **advanced** technique for **object** communication. They will also provide common class libraries, which are

sets of reusable objects utilized by programmers to develop applications quickly.

(Jim Mallory/19910516/Press...

8/3,K/7 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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07174697 Supplier Number: 60899416 (USE FORMAT 7 FOR FULLTEXT)
Visio 2000 Technical Edition.(Software Review)(Evaluation)
Garcia, Emmanuel
Cadence, v15, n3, p42
March, 2000
Language: English Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; Trade
Word Count: 2614

... constants, mathematical expressions or formulas with values that depend on user-defined parameters. For beginners, it provides an easy way to edit objects; for more advanced users, it provides a method to define intelligent object behavior.

Independent developers have the choice of VBA or C++ Programming, including in-process performance for add-on applications. Because the program works with 2D...

8/3,K/8 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

01427790 Supplier Number: 41708055 (USE FORMAT 7 FOR FULLTEXT)
Lockout/tagout regulations, workplace injuries discussed
Snack Food, v0, n0, p29
Dec, 1990
Language: English Record Type: Fulltext Abstract
Document Type: Magazine/Journal; Trade
Word Count: 921

ABSTRACT:

...with the right physique for a specific task; installing lifting devices; placing objects at the correct height; reducing employee lifting by such mechanical means as conveyor belts, and teaching the correct method to lift objects (a squatting position is best).

Davey: Ergonomics is more of a socioeconomic problem than work related.

'In its meat packing industry guidelines, OSHA states that...

... with the right physique for a specific task; installing lifting devices; placing objects at the correct height; reducing employee lifting by such mechanical means as conveyor belts, and teaching the correct method to lift objects (a squatting position is best).

There are two types of back injuries: muscular and skeletal. Muscular ones are commonly strains and sprains, while skeletal injuries...

8/3,K/9 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

05223054 SUPPLIER NUMBER: 11367636 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Four firms team up to propose object management spec. (Brief Article)
ISR: Intelligent Systems Report, v8, n6, p5(2).
June, 1991
DOCUMENT TYPE: Brief Article ISSN: 1054-8696 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT

WORD COUNT: 219 LINE COUNT: 00019

... including HP's Network Computing System and Sun's Open Network Computing protocols.

NCR will provide a CDL compiler with an interface to its Remote **Method** Invocation, an **advanced** technique for **object** communication. **Object** Design will work with HP, Sun and NCR to provide an implementation of the ORB interface to an object database management system.

8/3,K/10 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

05145343 SUPPLIER NUMBER: 10723471 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NCR/OBJECT DESIGN, HP/SUN MICROSYSTEMS JOIN FORCES AT INDUSTRY STANDARDS
GROUP
PR Newswire, 0514P2067
May 14, 1991
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 418 LINE COUNT: 00036

... System (NCS) from HP and Open Network Computing (ONC) protocols from Sun.

NCR will provide a CDL compiler with an interface to NCR's Remote **Method** Invocation (RMI), an **advanced** technique for **object** communication.

"The collaborative effort provides significant added-value above and beyond what was provided by each of the individual submissions," said Robert J. Frankenberg, HP...

8/3,K/11 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

01008487
IMPROVED SOFTWARE MANAGEMENT
EDITED BY MICHAEL A. DORNHEIM
Aviation Week & Space Technology, Vol. 150, No. 18, Pg 17
May 3, 1999
JOURNAL CODE: AW
SECTION HEADING: AEROBYTE ISSN: 0005-2175
WORD COUNT: 173

TEXT:

The Unified Modeling Language (UML) is the de facto standard **method** of diagramming software, and **Advanced** Software Technologies' GDPPro is one of several **object** -oriented software engineering tools that can create UML blueprints and autocode most of them. GDPPro can also reverse-engineer UML blueprints from existing large and...

8/3,K/12 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

02053435 57576696
Detection of 3D **object** shape and forward-moving distance of mobile robot
Suga, Y; Ohmori, N
Robotics Today v13n3 PP: 1-4 Third Quarter 2000
ISSN: 0193-6913 JRNL CODE: RBT
WORD COUNT: 1784

...TEXT: matching errors are recognized due to unclear texture of flange surface; however, approximate shape of the flange was obtained. Therefore, it is recognized that this **method** is effective to detect the **forward**-moving distance and 3D shape of an **object** and apply it to the vision sensor of an autonomous mobile robot.

Conclusion

Main results obtained are summarized as follows:

1. A visual sensing system...

8/3,K/13 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01691207 03-42197
Everyone wants in
Dilger, Karen Abramic
Manufacturing Systems v16n7 PP: 108-142 Jul 1998
ISSN: 0748-948X JRNL CODE: MFS
WORD COUNT: 14404

...TEXT: and yield issues, so the system takes economics factor into the equation." Chesapeake is gearing up for the release of MIMI object bridge, a message- **brokering method** of acquiring data **objects** using a communication layer that runs across all MIMI modules. Another upcoming announcement is the Chesapeake Strategic Advisor, which extends the detailed day-to-day...

8/3,K/14 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01378970 00-29957
Virtual objects in the real world
Aliaga, Daniel G
Communications of the ACM v40n3 PP: 49-54 Mar 1997
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 3199

...TEXT: a very fast collision detection method is necessary. The collision detection method will determine which objects intersect and how they intersect. This information is then **passed on** to the collision response **method**, which alters the trajectory of the **objects** according to the laws of classical mechanics.

OVER THE LAST DECADE, MULTIPLE approaches have been developed for collision detection and collision response. No single collision...

8/3,K/15 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00725178 93-74399
Post-Modern Organizations or Postmodern Organization Theory?
Parker, Martin
Organization Studies v13n1 PP: 1-17 1992
ISSN: 0170-8406 JRNL CODE: ORS
WORD COUNT: 7724

...TEXT: rationalities is therefore a pre-requisite for the postmodern

organization.

DISCUSSION

The writings of Clegg, Cooper, Burrell, Gergen and others are clearly pointing the way **forward** to a theory, **method** and **object** of organizations that looks somewhat different from the discipline as it is currently taught and researched. In this section, I wish to evaluate the possibilities...

8/3,K/16 (Item 1 from file: 813)
DIALOG(R) File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0370478 CL008
NCROBJECT DESIGN AND HPSUN JOIN FORCES AT INDUSTRY STANDARDS GROUP

DATE: May 14, 1991 11:48 EDT WORD COUNT: 686

...System (NCS) from HP and Open Network Computing (ONC)
protocols from Sun.

NCR will provide a CDL compiler with an interface to NCR's Remote
Method Invocation (RMI), an **advanced** technique for **object**
communication.

"The collaborative effort provides significant added-value above and beyond what was provided by each of the individual submissions," said Robert J. Frankenberg, HP...

9/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02267439 SUPPLIER NUMBER: 53728372 (USE FORMAT 7 OR 9 FOR FULL TEXT)
HOUSE OF COM.(marshal by value issues)(Technology
Tutorial)(Column)(Tutorial)
BOX, DON
Microsoft Systems Journal, 14, 3, 67(1)
March, 1999
DOCUMENT TYPE: Column Tutorial ISSN: 0889-9932 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2654 LINE COUNT: 00283

ABSTRACT: Marshal-by-value (MBV) is an alternative to the default marshal by reference scheme for COM objects. CoMarshalInterface automatically creates a stub so that **method** calls can be **dispatched** to an **object** reference from outside apartments.. CoMarshal acts as an extensibility hook via its IMarshal interface, which lets objects 'custom marshal.' Objects that do not implement IMarshal...

... thoroughly. Recall that, by default, COM objects marshal by reference. That is, when passing object references as method parameters, CoMarshalInterface creates a stub to allow **method** calls to be **dispatched** to the **object** from foreign apartments. Clients wind up with COM-provided proxies that send the stub request messages that trigger remote method invocations.

CoMarshalInterface provides an extensibility...

X

22/3,K/1 (Item 1 from file: 275)
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02291165 SUPPLIER NUMBER: 54481087 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Third-tier ready to end the rule of client-server.(three-tier architecture,
client-server database organizations' profits)(Technology Information)
Vandersluis, Chris
Computing Canada, 25, 16, 17(1)
April 23, 1999
ISSN: 0319-0161 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 920 LINE COUNT: 00072

... client tier to the middle tier is done through technologies
designed for just that. They include common **object request broker**
architecture, remote **method** invocations, component object model and
distributed object model, depending on the hardware platform and the
development environment...

22/3,K/2 (Item 2 from file: 275)
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02202094 SUPPLIER NUMBER: 20917974 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Design multimedia with Jasmine. (version 1.1 of Computer Associates
International's multimedia development software) (includes a related
article on Jasmine usage) (Software Review)(Evaluation)
Moy, Chu
e-Business Advisor, v16, n7, p48(6)
July, 1998
DOCUMENT TYPE: Evaluation LANGUAGE: English RECORD TYPE: Fulltext
; Abstract
WORD COUNT: 3462 LINE COUNT: 00339

... persistence-by-reachability, extent-based storage, and the OQL
query class. With the tight Java binding, Java **objects** can invoke
client-based or server-based **methods**.
Jasmine extensions
A multimedia **repository** should support multimedia data types and
provide flexible storage and retrieval options that maximize throughput
under different...

22/3,K/3 (Item 3 from file: 275)
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02189667 SUPPLIER NUMBER: 20841794 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SOCKS Could Get a Foothold.(Internet Engineering Task Force Socks 5
protocol secures communications across networks) (Internet/Web/Online
Service Information)
Schweber, Erick Von
PC Week, v15, n24, p160(1)
June 15, 1998
ISSN: 0740-1604 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1121 LINE COUNT: 00097

... thorny issues, including efficient securing of multicast
applications without turning them back into unicast; passing CORBA (Common
Object **Request Broker** Architecture) **method** invocations through a
firewall using IIOP (Internet Inter-ORB Protocol); and utilizing IPSec (IP
Security protocol) authentication...

22/3,K/4 (Item 4 from file: 275)
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02183329 SUPPLIER NUMBER: 20768766 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Parts for Java Turns Professional in 2.5.(ObjectShare Inc.'s Parts for Java Professional 2.5)
Coffee, Peter
PC Week, v15, n22, p33(1)
June 1, 1998
ISSN: 0740-1604 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 981 LINE COUNT: 00087

... to enjoy the productivity boost that comes from Parts' complete facilities for automating creation of CORBA (Common Object Request Broker Architecture) and RMI (Remote Method Invocation) packaging. Borland JBuilder 2, from the newly renamed Inprise Corp., is among the few Java tools...

22/3,K/5 (Item 5 from file: 275)
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02167894 SUPPLIER NUMBER: 20347956 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Build MTS components with Visual Basic for deployment in your ASP-based apps. (Microsoft Transaction Server) (Technology Tutorial)(Tutorial)
Pattison, Ted
Microsoft Systems Journal, v13, n4, p19(9)
April, 1998
DOCUMENT TYPE: Tutorial ISSN: 0889-9932 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6792 LINE COUNT: 00615

... CBroker component through the Server object's CreateObject method. Figure 7 shows an example of creating a broker object and invoking the SubmitOrder method using VBScript. You can see that the ASP code required to run a transaction is minimal. Most...

22/3,K/6 (Item 6 from file: 275)
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02154292 SUPPLIER NUMBER: 20430741 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Bluestone Polishes Its Sapphire/Web.(Bluestone Software's Sapphire/Web 5 application server framework) (Brief Article) (Product Announcement)
Gonsalves, Antone
PC Week, v15, n12, p38(1)
March 23, 1998
DOCUMENT TYPE: Brief Article Product Announcement ISSN: 0740-1604
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 244 LINE COUNT: 00025

... Modules.
The core server provides scalable deployment of applications in an n-tier model via CORBA (Common Object Request Broker Architecture), Remote Method Invocation and COM (Component Object Model). The product provides automatic load balancing, officials said.
The SIMS (Sapphire...

22/3,K/7 (Item 7 from file: 275)
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02109475 SUPPLIER NUMBER: 19769752 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Java app development solution. (ParcPlace-Digitalk's PARTS for Java 2.0)

(Product Information)

Databased Web Advisor, v15, n9, p42(1)

Sep, 1997

ISSN: 1090-6436 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 118 LINE COUNT: 00013

TEXT:

...include a pure Java graphical debugger, a Project Manager with a Delivery Assistant, and support for Common Object Request Broker (CORBA), Remote Method Invocation (RMI), and JavaBeans. The product also comes with a value pack that includes Java Database Connect...

22/3,K/8 (Item 8 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02103587 SUPPLIER NUMBER: 19783477 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Borland debuts Java development tools. (Borland International Inc releases JBuilder Professional, JBuilder Standard) (Product Announcement)

Gonsalves, Antone

PC Week, v14, n40, p24(1)

Sep 22, 1997

DOCUMENT TYPE: Product Announcement ISSN: 0740-1604 LANGUAGE:

English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 434 LINE COUNT: 00039

... officials said.

The suite includes DataGateway; a source code control system for team development; support for Common Object Request Broker Architecture and Remote Method Invocation for distributed Java applications; and a full set of SQL tools, including a SQL builder and...

22/3,K/9 (Item 9 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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02089887 SUPPLIER NUMBER: 19670903 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Parts for Java 2.0: fast track for components. (ObjectShare Technology's development environment) (PC Week Labs) (Software Review) (Evaluation)

Coffee, Peter

PC Week, v14, n34, p36(1)

August 11, 1997

DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 516 LINE COUNT: 00047

... and distributed object integration tools.

Intranet-oriented developers will get a head-start on using CORBA (Common Object Request Broker Architecture) and RMI (Remote Method Invocation) with Version 2.0's wizards, which give Parts an edge over competing products in the...

22/3,K/10 (Item 10 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

02029944 SUPPLIER NUMBER: 19010703 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Building multitiered client/server apps with Visual Basic 4.0 Enterprise

Edition, Part II. (Microsoft's application development software) (part 2 of 3) (Technology Tutorial) (Tutorial)

Notestein, Jenny

Microsoft Systems Journal, v12, n2, p37(13)

Feb, 1997

DOCUMENT TYPE: Tutorial ISSN: 0889-9932

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 6989 LINE COUNT: 00538

... individual virtual data object will understand the business rules required to fulfill the request.

After the Request **Broker** 's SubmitReportRequest **method** identifies and creates the virtual data **object** , it **calls** the BuildResultset **method** of the virtual data object (see Figure 10), passing it the message object with all of the...

22/3,K/11 (Item 11 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

02000549 SUPPLIER NUMBER: 18845521 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Java Integration Ready For Mac Developers.

Newsbytes, pNEW11070038

Nov 7, 1996

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 453 LINE COUNT: 00041

... interface (API) as well as a lower-level invocation API to enable developers to load Java class **libraries** , create Java **objects** , and **call** Java **methods** in order to build hybrid Mac OS-Java applications. Runtime for Java features JManager, JShell, JBindery, and...

22/3,K/12 (Item 12 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

01957784 SUPPLIER NUMBER: 18169227 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Introducing distributed COM and the new OLE features in Windows NT 4.0.

(includes related article on using MIDL with Visual C++) (Technology Tutorial) (Tutorial)

Box, Don

Microsoft Systems Journal, v11, n5, p19(14)

May, 1996

DOCUMENT TYPE: Tutorial ISSN: 0889-9932

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 9727 LINE COUNT: 00799

... call on an object in a different thread, process, or host, the client is actually making a **method** call on a **proxy** . The **proxy** marshals the appropriate parameters into the request PDU and dispatches the call to the **object** by **calling** the channel's SendReceive **method** , which does not return until the response PDU is received from the object. For those of you...

22/3,K/13 (Item 13 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

01915016 SUPPLIER NUMBER: 17847620 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The design and construction of LISA. (Associated Estates Realty Corp develops distributed property management application) (Industry Trend or Event)



Pompeii, John
DBMS, v8, n13, p68(8)
Dec, 1995
ISSN: 1041-5173 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6536 LINE COUNT: 00514

... a "push" method, and give this object to the event channel. When an event arrives, the push method is invoked on the proxy object in the server, which causes the push method to be invoked in the client's process with...

22/3,K/14 (Item 14 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01619647 SUPPLIER NUMBER: 14359420 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Introducing concurrency to a sequential language. (usage of class libraries with Eiffel program development software) (includes related glossary of terms) (one of eight articles on concurrent object-oriented programming; special issue) (Technical)
Karaorman, Murat; Bruno, John
Communications of the ACM, v36, n9, p103(14)
Sept, 1993
DOCUMENT TYPE: Technical ISSN: 0001-0782 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6490 LINE COUNT: 00551

... One of the requirements of our approach for designing active objects is to define a start-up method, called scheduler. A split call to a proxy object eventually starts a new thread executing the scheduler method of the active object. The scheduler has exclusive...

22/3,K/15 (Item 15 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01591111 SUPPLIER NUMBER: 13514116 (USE FORMAT 7 OR 9 FOR FULL TEXT)
ObjectPAL fundamentals: methods, procedures, and libraries. (the programming language in Paradox for Windows)
Colling, Tim; Kligman, Rick
Data Based Advisor, v11, n3, p63(4)
March, 1993
ISSN: 0740-5200 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2384 LINE COUNT: 00180

... is going to call the other. The compiler will get confused if you do.

Methods are public

Methods can be called by the objects to which they belong or by any other object within the same form. (Calling methods that are in libraries are a special case, which I'll address later.)

Generally speaking, methods should be called by specifying the name of the object that "owns" the method, or the one that is the "target" of the method. In some cases...If a box calls a library method, statements that use Self refer to the box. If the library method has a line that reads, "self.color = Red", the box is "Self." If the method reads simply...

...the scope of a library

The scope of a library refers to its accessibility--that is, which objects can call methods inside a library. Two things determine a library's scope: where the library variable is declared and how the library is opened.

A library variable...

22/3,K/16 (Item 16 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01531086 SUPPLIER NUMBER: 12517868 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PostModernist Computing Technologies has its C++ library for objects under
TCP/IP in beta test. (Transmission Control Protocol/Internet Protocol)
Computergram International, pCGI08060007
August 6, 1992
ISSN: 0268-716X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 295 LINE COUNT: 00026

... network that monitor network service advertisements and manage
connections between information producers and consumers. The NetClasses
Remote Method Invocation libraries enable methods to be invoked
programmatically on objects from remote machines. They can be built on
top of the software's Distributed Services package...

22/3,K/17 (Item 17 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01429676 SUPPLIER NUMBER: 10582252 (USE FORMAT 7 OR 9 FOR FULL TEXT)
OMG's Object Management Architecture. (Object Management Group)(Object
Services, Common Facilities and Application Objects, Object Request
Broker)
RELease 1.0, v91, n3, p7(8)
March 31, 1991
ISSN: 1047-935X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 3506 LINE COUNT: 00281

... on somewhere else. The ORB may not have all the necessary
information itself. It may use a directory in Object Services, call
on a runtime method library or otherwise rely on other system
capabilities, including local object managers. It may use a trading service
...

22/3,K/18 (Item 18 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01428199 SUPPLIER NUMBER: 10689441 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Ingres tail begins to wag the Ask dog as it moves beyond manufacturing
stronghold.
Computergram International, n1667, CGI05070008
May 7, 1991
ISSN: 0268-716X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 825 LINE COUNT: 00066

... followed Informix and joined the Object Management Group - spot
that Hewlett-Packard connection - and so presumably the Object Request
Broker will be its favoured method of distributing applications in a
client-server environment. And then there are the applications themselves -
Ask's...

22/3,K/19 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)
(c) 2005 The Gale Group. All rts. reserv.

02507018 Supplier Number: 62211175 (USE FORMAT 7 FOR FULLTEXT)

Tenor Networks Announces Industry's First Solution Designed to Transform Optical Network Capacity into Revenue and Profits.

Business Wire, p0177

May 22, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 846

... this information can be used to assist in network planning and services rollout. Using TEMPO's Common Object Request Broker Architecture (CORBA) and Remote Method Invocation (RMI) interfaces, service creation, activation and provisioning can be integrated to enable the seamless creation of...

22/3,K/20 (Item 2 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

(c) 2005 The Gale Group. All rts. reserv.

01449951 Supplier Number: 46870974 (USE FORMAT 7 FOR FULLTEXT)

Apple Releases Beta Version 1.0 of Mac OS Runtime for Java (MRJ)

PR Newswire, p1106SFW043

Nov 6, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1003

... level API as well as a lower-level invocation API to enable developers to load Java class libraries, create Java objects, and call Java methods in order to build hybrid Mac OS-Java applications. Used in conjunction with currently available Java development...

22/3,K/21 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

03653582 Supplier Number: 47869442 (USE FORMAT 7 FOR FULLTEXT)

APPLE COMPUTER: Apple announces availability of Mac OS Runtime for Java 1.5

M2 Presswire, pN/A

July 30, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 972

... level API as well as a lower-level invocation API to enable developers to load Java class libraries, create Java objects and call Java methods in order to build hybrid Mac OS-Java applications. Used in conjunction with currently available Java development...

22/3,K/22 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

03471519 Supplier Number: 47157318 (USE FORMAT 7 FOR FULLTEXT)

-VISIGENIC SOFTWARE INC: Visigenic joins IBM and Sun to simplify communication among networked applications

M2 Presswire, pN/A

Feb 26, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 764

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...ORBs. An enhancement to the naming service of the Object Management Group's industry standard, CORBA (Common Object Request Broker Architecture), the naming **method** was developed by IBM and Sun to facilitate communication across heterogeneous environments. "We are glad to be...

22/3,K/23 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

03343313 Supplier Number: 46873101 (USE FORMAT 7 FOR FULLTEXT)
Java Integration Ready For Mac Developers 11/07/96
Newsbytes, pN/A
Nov 7, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; General Trade
Word Count: 432

... interface (API) as well as a lower-level invocation API to enable developers to load Java class **libraries**, create Java **objects**, and call Java **methods** in order to build hybrid Mac OS-Java applications. Runtime for Java features JManager, JShell, JBindery, and...

22/3,K/24 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

07145700 Supplier Number: 60602715 (USE FORMAT 7 FOR FULLTEXT)
A/X SITE PLACES EMPHASIS ON QUICK-CHANGING CONTENT.(Brief Article)
Power, Denise
Daily News Record, p42
March 22, 2000
Language: English Record Type: Fulltext
Article Type: Brief Article
Document Type: Magazine/Journal; General Trade
Word Count: 520

... language from Sun Microsystems, Palo Alto, Calif., and managed within a technical architecture known as CORBA (common **object request broker** architecture). CORBA is a **method** of distributed computer processing that facilitates communications between data stored on different systems, such as Armani Exchange...

22/3,K/25 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

07145677 Supplier Number: 60602570 (USE FORMAT 7 FOR FULLTEXT)
AN ARMANI SITE FOR A FLEXIBLE EXCHANGE.
Power, Denise
WWD, p12
March 22, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 629

... language from Sun Microsystems, Palo Alto, Calif., and managed within a technical architecture known as CORBA (common **object request broker** architecture). CORBA is a **method** of distributed computer processing that facilitates communications between data stored on different systems, such as Armani Exchange...

22/3,K/26 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

05921928 Supplier Number: 53157129 (USE FORMAT 7 FOR FULLTEXT)
**Java tool time at Symantec, Inprise.(JBuilder for Application Server,
Visual Cafe 3.0) (Product Announcement)**
Wong, Wylie
Computer Reseller News, p139(1)
Nov 2, 1998
Language: English Record Type: Fulltext
Article Type: Product Announcement
Document Type: Magazine/Journal; Trade
Word Count: 552

... Java, Enterprise Suite, by the end of the year, company executives said. The tool will support Common Object Request Broker Architecture (CORBA); Remote Method Invocation (RMI), a Sun Microsystems Inc. standard for distributed objects in Java; and Enterprise JavaBeans. The tool...

22/3,K/27 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

04906677 Supplier Number: 47214869 (USE FORMAT 7 FOR FULLTEXT)
Active Directory Service Interfaces Meets Challenge
Computer Reseller News, p93
March 17, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 3061

... the functionality of an Active Directory Service Interfaces directory service object. Clients obtain interface pointers on dependent objects by calling methods on the interfaces of the host Active Directory Service Interfaces object. Dependent objects can be retrieved only from host objects.

The division of a given...object back to the underlying directory. No changes are made to an object's properties within the directory until the SetInfo method is called.

Active Directory Service Interfaces Names
Objects that reside within a given namespace are identified by a unique name. For example, files stored on...

22/3,K/28 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

04421113 Supplier Number: 46486667 (USE FORMAT 7 FOR FULLTEXT)
IBM Brews Its Own Cup of Java
CommunicationsWeek, p08
June 24, 1996
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 539

... An IIOP Java client could spoof the rest of the network into thinking that it is an object request broker, and invoke remote-object methods directly," Renshaw said.

Such software would enable applications to follow a truly distributed object model, executing some...

22/3,K/29 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

03869451 Supplier Number: 45556032
CORBA to uncoil into Orbix 2.0
PC Week, p24
May 22, 1995
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Tabloid; General Trade

ABSTRACT:
Orbix 2.0, developed by Iona Technologies Ltd., will support CORBA 2.0 (common object request broker) protocol and a standard method of mapping C++ to the Interface Definition Language and IIOP. The IIOP is scheduled to be in...

22/3,K/30 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

02383524 Supplier Number: 43132067 (USE FORMAT 7 FOR FULLTEXT)
Object Orientation Bears Fruit: Distributed objects on the network may well be key to the future of distributed processing
CommunicationsWeek, p35
July 6, 1992
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 2072

... The message is then delivered either directly to a local object or across the network to another object request broker.

Object request brokers do not directly invoke methods, but pass messages to an object-oriented software environment (called an object adapter by the OMG, and...eventually could eliminate the need for them altogether.

How Distributed Object Software Works

1) An application or object sends a message invoking a software routine, or method, to an object request broker. The message contains the names of the target object and the method desired within the object, and defines any parameters needed to execute the method. 2) The object request broker consults a directory to locate the computer on which the object resides. The broker may also consult a repository to...

22/3,K/31 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

10348829 SUPPLIER NUMBER: 20961839 (USE FORMAT 7 OR 9 FOR FULL TEXT)
As It Catches On, Linux To Get Graphical Face-Lift.(OS) (Technology Information)
Darrow, Barbara; Dunlap, Charlotte
Computer Reseller News, n800, p178(1)
July 27, 1998
ISSN: 0893-8377 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 614 LINE COUNT: 00051

... user, bringing the same level of ease in opening attachment files as current browsers. It uses an object request broker (ORB) as a method of finding applications in order to deal with embedded objects, said Larry Augustin, president and co-founder...

22/3,K/32 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

09652618 SUPPLIER NUMBER: 18933891 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Apple releases beta version 1.0 of Mac OS Runtime for Java. (Apple Computer Inc.)
Software Industry Report, v28, n22, p6(1)
Nov 18, 1996
ISSN: 1042-7252 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 374 LINE COUNT: 00032

... level API as well as a lower-level invocation API to enable developers to load Java class libraries, create Java objects, and call Java methods in order to build hybrid Mac OS-Java applications. Used in conjunction with currently available Java development...

22/3,K/33 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

08773482 SUPPLIER NUMBER: 18432960 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IBM brews its own cup of Java. (IBM demonstrates technology for supporting Java in OS/2) (Company Business and Marketing)
Marshall, Martin
CommunicationsWeek, n616, p8(1)
June 24, 1996
ISSN: 0746-8121 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 584 LINE COUNT: 00050

... An IIOP Java client could spoof the rest of the network into thinking that it is an object request broker, and invoke remote-object methods directly," Renshaw said.
Such software would enable applications to follow a truly distributed object model, executing some...

22/3,K/34 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

08098694 SUPPLIER NUMBER: 17277529 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IBM, Oracle, Apple license Object Bridge. (Industry Leaders Gear Up For Object Application Onslaught)
LaMonica, Martin
InfoWorld, v17, n35, p8(1)
August 28, 1995
ISSN: 0199-6649 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 487 LINE COUNT: 00044

... offerings from existing ORB vendors, including Iona with its Orbix and Digital Equipment Corp. with its Object Broker, can already translate object methods and requests -- the commands used by objects to communicate -- between OLE and CORBA objects.
But analysts said last week...

22/3,K/35 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01676289 03-27279

As it catches on, Linux to get graphical face-lift
Dunlap, Charlotte; Darrow, Barbara
Computer Reseller News n800 PP: 178, 172 Jul 27, 1998
ISSN: 0893-8377 JRNL CODE: CRN
WORD COUNT: 571

...ABSTRACT: users, bringing the same level of ease in opening attachment files as current browsers. It uses an **object request broker** as a **method** of finding applications in order to deal with embedded objects. The 2nd project, K Desktop Environment, is...
...TEXT: user, bringing the same level of ease in opening attachment files as current browsers. It uses an **object request broker** (ORB) as a **method** of finding applications in order to deal with embedded objects, said Larry Augustin, president and co-founder...

22/3,K/36 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01603005 02-53994
AS/400 application development at a crossroads: Java RPG
McGee, Paul
AS/400 Systems Management v26n3 PP: 42-47 Mar 1998
ISSN: 1086-881X JRNL CODE: SSW
WORD COUNT: 2014

...TEXT: for Java component use in a server layer, perform the summary processing there, and then use **Common Object Request Broker Architecture** (Corba), **Remote Method Invocation** (RMI) or even an **IBM AS/400 Toolbox for Java Program Call object** with a custom...

22/3,K/37 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01448112 00-99099
The legalities of runtime: Fine print and the rights of developers
Anonymous
EMedia Professional v10n7 PP: 52 Jul 1997
ISSN: 1090-946X JRNL CODE: LDP
WORD COUNT: 4108

...TEXT: users to view Java applets and applications, and two APIs to enable developers to load Java class **libraries**, create Java **objects**, and call Java **methods** in order to build hybrid Mac OS/Java applications.

THE RED AND THE BLACK: DISTRIBUTING MULTIMEDIA FOR...

22/3,K/38 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01448111 00-99098
The roles & rules of authoring runtime
Kroeker, Kirk L
EMedia Professional v10n7 PP: 46-50+ Jul 1997
ISSN: 1090-946X JRNL CODE: LDP
WORD COUNT: 5471

...TEXT: users to view Java applets and applications, and two APIs to enable developers to load Java class **libraries**, create Java **objects**,

and call Java methods in order to build hybrid Mac OS/Java applications.

THE RED AND THE BLACK: DISTRIBUTING MULTIMEDIA FOR...

22/3,K/39 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01083427 97-32821
Industry leaders gear up for object application onslaught: IBM, Oracle, Apple license Object Bridge
LaMonica, Martin
InfoWorld v17n35 PP: 8 Aug 28, 1995
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 468

...TEXT: offerings from existing ORB vendors, including Iona with its Orbix and Digital Equipment Corp. with its Object **Broker**, can already translate **object methods and requests** -- the commands used by objects to communicate -- between OLE and CORBA objects. (See related story, page 35
...

22/3,K/40 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2005 CMP Media, LLC. All rts. reserv.

01176806 CMP ACCESSION NUMBER: CRN19981102S0100
Java tool time at Symantec, Inprise
Wylie Wong
COMPUTER RESELLER NEWS, 1998, n 814, PG139
PUBLICATION DATE: 981102
JOURNAL CODE: CRN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Feature: Java
WORD COUNT: 547

... Java, Enterprise Suite, by the end of the year, company executives said. The tool will support Common Object **Request Broker** Architecture (CORBA); Remote Method Invocation (RMI), a Sun Microsystems Inc. standard for distributed objects in Java; and Enterprise JavaBeans. The tool...

22/3,K/41 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2005 CMP Media, LLC. All rts. reserv.

01167854 CMP ACCESSION NUMBER: CRN19980727S0127
As It Catches On, Linux To Get Graphical Face-Lift
Charlotte Dunlap & Barbara Darrow
COMPUTER RESELLER NEWS, 1998, n 800, PG178
PUBLICATION DATE: 980727
JOURNAL CODE: CRN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: CRN Business Weekly
WORD COUNT: 590

... user, bringing the same level of ease in opening attachment files as current browsers. It uses an **object request broker** (ORB) as a **method** of finding applications in order to deal with embedded objects, said Larry Augustin, president and co-founder...

22/3,K/42 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2005 CMP Media, LLC. All rts. reserv.

01120582 CMP ACCESSION NUMBER: CRN19970317S0075
Active Directory Service Interfaces Meets Challenge
COMPUTER RESELLER NEWS, 1997, n 727, PG93
PUBLICATION DATE: 970317
JOURNAL CODE: CRN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: White Paper:Microsoft
WORD COUNT: 3050

... the functionality of an Active Directory Service Interfaces directory service object. Clients obtain interface pointers on dependent objects by calling methods on the interfaces of the host Active Directory Service Interfaces object. Dependent objects can be retrieved only from host objects.

The division of a given...object back to the underlying directory. No changes are made to an object's properties within the directory until the SetInfo method is called.

Active Directory Service Interfaces Names
Objects that reside within a given namespace are identified by a unique name. For example, files stored on...

22/3,K/43 (Item 4 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2005 CMP Media, LLC. All rts. reserv.

01095288 CMP ACCESSION NUMBER: CWK19960624S0070
IBM Brews Its Own Cup of Java
Martin Marshall
COMMUNICATIONSWEEK, 1996, n 616, PG08
PUBLICATION DATE: 960624
JOURNAL CODE: CWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Top Of The News
WORD COUNT: 550

... An IIOP Java client could spoof the rest of the network into thinking that it is an object request broker, and invoke remote-object methods directly," Renshaw said.

Such software would enable applications to follow a truly distributed object model, executing some...

22/3,K/44 (Item 5 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2005 CMP Media, LLC. All rts. reserv.

01044125 CMP ACCESSION NUMBER: IWK19950227S0032
IBM In Middleware Deal - Teams with PeerLogic to integrate Pipes with SOM object technology (Spotlight)
Stephanie Stahl
INFORMATIONWEEK, 1995, n 516, PG33
PUBLICATION DATE: 950227
JOURNAL CODE: IWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Enterprise Computing
WORD COUNT: 297

... basic technologies used for the Object Management Group's Common Object Request Broker Architecture (Corba) specification. An object

request broker is the method by which distributed objects communicate with each other.

While the goal of the Object Management Group is...

22/3,K/45 (Item 6 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
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00515821 CMP ACCESSION NUMBER: CWK19920706S2523
@hd:Object Orientation Bears Fruit-Distributed objects on the network may well be key to the future of distributed processin... (JAMES HERMAN)
COMMUNICATIONSWEEK, 1992, n 410, 35
PUBLICATION DATE: 920706
JOURNAL CODE: CWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Closeup
WORD COUNT: 1976

... The message is then delivered either directly to a local object or across the network to another object **request broker**.

Object request brokers do not directly invoke methods, but pass messages to an object-oriented software environment (called an object adapter by the OMG, an...

22/3,K/46 (Item 1 from file: 369)
DIALOG(R)File 369:New Scientist
(c) 2005 Reed Business Information Ltd. All rts. reserv.

00106591 14819994.000 (USE FORMAT 7 OR 9 FOR FULLTEXT)
How to build a metaverse: On the Net, flat images are giving way to solid shapes you can zoom round and dive under; witnesses the birth of a virtual world
FLOWER, JOE; PRINCIPAL, THE CHANGE PROJECT, A CONSULTING ORGANISATION, LARKSPUR, CALIFORNIA
New Scientist, vol. 148, no. 1999, p. Page 36
October 14, 1995
LANGUAGE: English RECORD TYPE: Fulltext DOC. TYPE: Journal
WORD COUNT: 3376

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...connections.

At that time, the Geometry Center at the University of Minnesota had pioneered a graphic display method called OOGL, or **Object Oriented Graphic Library**, a format that allowed geometric forms to be displayed and transmitted using the network. Autodesk, a Californian...

22/3,K/47 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1129098
Apple Announces Availability of Mac OS Runtime for Java 1.5

DATE: July 23, 1997 07:49 E.T. WORD COUNT: 1,105

... level API as well as a lower-level invocation API to enable developers to load Java class libraries, create Java objects, and call Java methods in order to build hybrid Mac OS-Java applications. Used in conjunction with currently available Java development...

File 8: Ei Compendex(R) 1970-2005/Apr W1
(c) 2005 Elsevier Eng. Info. Inc.
File 35: Dissertation Abs Online 1861-2005/Mar
(c) 2005 ProQuest Info&Learning
File 65: Inside Conferences 1993-2005/Apr W2
(c) 2005 BLDSC all rts. reserv.
File 2: INSPEC 1969-2005/Apr W1
(c) 2005 Institution of Electrical Engineers
File 94: JICST-EPlus 1985-2005/Feb W4
(c) 2005 Japan Science and Tech Corp(JST)
File 6: NTIS 1964-2005/Apr W1
(c) 2005 NTIS, Intl Cpyrght All Rights Res
File 144: Pascal 1973-2005/Apr W1
(c) 2005 INIST/CNRS
File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 34: SciSearch(R) Cited Ref Sci 1990-2005/Apr W2
(c) 2005 Inst for Sci Info
File 99: Wilson Appl. Sci & Tech Abs 1983-2005/Mar
(c) 2005 The HW Wilson Co.
File 266: FEDRIP 2005/Jan
Comp & dist by NTIS, Intl Copyright All Rights Res
File 95: TEME-Technology & Management 1989-2005/Mar W1
(c) 2005 FIZ TECHNIK
File 438: Library Lit. & Info. Science 1984-2005/Feb
(c) 2005 The HW Wilson Co

Set	Items	Description
S1	146	(METHOD? ?(3W) (CALLED OR INVOKED OR REQUESTED)) (7W)OBJECT?
		?
S2	157	(OBJECT? ?(3W) (CALL? ? OR CALLING OR INVOKE OR INVOKES OR - INVOKING OR REQUEST OR REQUESTS OR REQUESTING)) (5W)METHOD? ?
S3	26	(METHOD(5W) (BROKERED OR FORWARD??? OR ADVANC??? OR CONVEY?- ?? OR PASS???() ON OR DISPATCHED)) (7W)OBJECT? ?
S4	39	((BROKERING OR BROKERS OR DISPATCHING OR DISPATCHES OR FOR- WARD??? OR ADVANC??? OR CONVEY??? OR PASS???() ON) (5W)METHOD) (- 7W)OBJECT? ?
S5	0	(BROKERED(3W)METHOD) (7N)OBJECT
S6	52716	METHOD? ?(7N) (BROKER OR AGENT? ? OR PROXY OR PROXIES OR EN- VOY? ? OR GO() BETWEEN OR INTERMEDIAR??? OR MEDIAR??? OR MIDDLE- WARE OR MIDDLEWARE OR REPOSITORY OR REPOSITORIES OR DIRECTORY OR DIRECTORIES OR LIBRARY OR LIBRARIES OR POOL? ?)
S7	1	S1:S2 AND S3:S4
S8	0	S3:S4 AND S6
S9	62	S3:S4
S10	53	RD (unique items)
S11	38	S10 NOT PY=2001:2005
S12	53	S1:S2 AND S6
S13	38	RD (unique items)
S14	18	S13 NOT (S11 OR PY=2001:2005)

11/5/2 (Item 2 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
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05893751 E.I. No: EIP01396661439

Title: Design method for virtual enterprise information system by using UML

Author: Li, W.; Chen, Y.L.; Li, Q.

Corporate Source: Dep. of Automation Tsinghua Univ., Beijing 100084, China

Source: Jisuanji Jicheng Zhizao Xitong/Computer Integrated Manufacturing Systems, CIMS v 6 n 6 December 2000. p 46-51

Publication Year: 2000

CODEN: JJZXFN **ISSN:** 1006-5911

Language: Chinese

Document Type: JA; (Journal Article) **Treatment:** G; (General Review)

Journal Announcement: 0109W5

Abstract: This paper presents some of the requirements to the design of information system of a virtual enterprise. To fulfill these requirements, a reference infra-structure is addressed. In addition, method for VE coordination information modeling is put forward by using UML which is the most advanced method in the field of object oriented system analysis and design. A specific illustrative example is used to describe the application procedure of this method and the merits of this method are presented. 7 Refs.

Descriptors: *Virtual corporation; Management information systems; Object oriented programming; Computer supported cooperative work; Systems analysis; Data structures; Database systems; Computer simulation

Identifiers: Virtual enterprises; Intrastructure; United modeling language; Cooperative interfaces; Enterprise modeling

Classification Codes:

912.2 (Management); 913.2 (Production Control)

912 (Industrial Engineering & Management); 723 (Computer Software, Data Handling & Applications); 913 (Production Planning & Control; Manufacturing)

91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING)

11/5/3 (Item 3 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
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05660793 E.I. No: EIP00095310441

Title: Modular modeling method based on fluid network module

Author: Cai, Ruizhong; Wang, Wei; Lu, Chongde

Source: Qinghua Daxue Xuebao/Journal of Tsinghua University v 39 n 12 Dec 1999. p 62-64

Publication Year: 1999

CODEN: QDXKE8 **ISSN:** 1000-0054

Language: Chinese

Document Type: JA; (Journal Article) **Treatment:** A; (Applications); T; (Theoretical)

Journal Announcement: 0011W2

Abstract: Aim at the characteristics of thermal-hydro systems and with consideration of real-time simulation, the concept of fluid network module was raised. Based on the fluid network module, a modular modelling method was put forward in which the object-oriented concept is complete. The module dividing method and module connection rules are simple. The method was used in GNET - the graphic modeling system which was developed for Samsung Heavy Industry (SHI) of Korea. (Edited author abstract) 4 Refs.

Descriptors: *Thermoelectric power plants; Computer simulation; Real time systems; Modular construction; Flow of fluids; Network components

Identifiers: Real time simulation; Fluid network module

Classification Codes:

615.4 (Thermoelectric Energy); 722.4 (Digital Computers & Systems);

405.2 (Construction Methods)
615 (Thermoelectric & Other Power Generators); 722 (Computer Hardware);
405 (Construction Equipment & Methods)
61 (PLANT & POWER ENGINEERING); 72 (COMPUTERS & DATA PROCESSING)

11/5/4 (Item 4 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
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05425250 E.I. No: EIP99114912891

Title: Object centred optimization process for robust multiple object tracking

Author: Connor, B.; Humphreys, D.K.P.; Smith, C.
Corporate Source: Barr & Stroud Ltd, UK
Conference Title: Proceedings of the 1999 7th International Conference on Image Processing and its Applications
Conference Location: Manchester, UK Conference Date: 19990713-19990715
E.I. Conference No.: 55903
Source: IEE Conference Publication n 465 II 1999. p 691-695
Publication Year: 1999
CODEN: IECPB4 ISSN: 0537-9989
Language: English
Document Type: JA; (Journal Article) Treatment: T; (Theoretical)
Journal Announcement: 0001W2

Abstract: In this paper, image processing technologies are utilized in order to aid tracking of multiple objects. The techniques in the paper are demonstrated for an aircraft tracking application, although they can be used in other moving object tracking applications. The aim of this paper is to present an object centred optimization method, for a sensor, which provides the tracker with optimized object data in order to achieve the best possible tracking performance in complex scenarios. The **advanced object centred optimization method** overcomes the difficulties of traditional systems, which tend to be scene based, and provides the tracker with the best possible view of each cued object by separately processing the data for each object. (Author abstract) 2 Refs.

Descriptors: *Object recognition; Optimization; Sensors
Identifiers: Multiple object tracking
Classification Codes:
723.5 (Computer Applications); 741.1 (Light/Optics); 921.5 (Optimization Techniques); 732.2 (Control Instrumentation)
723 (Computer Software); 741 (Optics & Optical Devices); 921 (Applied Mathematics); 732 (Control Devices)
72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY); 92 (ENGINEERING MATHEMATICS); 73 (CONTROL ENGINEERING)

11/5/5 (Item 5 from file: 8)
DIALOG(R) File 8: Ei Compendex(R)
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05347691 E.I. No: EIP99094769738

Title: Development of data management system for the environment of nuclear facilities and solid, liquid, gas wastes

Author: Yan, Hongcheng
Corporate Source: China Inst of Atomic Energy, Beijing, China
Source: Yuanzineng Kexue Jishu/Atomic Energy Science and Technology v 32 n 2 1998. p 110-114
Publication Year: 1998
CODEN: YKJIEZ ISSN: 1000-6931
Language: Chinese
Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical); X; (Experimental)
Journal Announcement: 9910W2
Abstract: The data management system for the environment of civil nuclear

facilities, radiation protection and solid, liquid, gas wastes was developed. The programming method of the object-oriented and advanced techniques of drag-drop, cartoon, OLE, etc, are described. The problems, new ideas and the advantages of the management system are discussed. (Edited author abstract) 3 Refs.

Descriptors: *Environmental protection; Radioactive wastes; Radioactive waste disposal; Database systems; Data processing

Identifiers: Nuclear facility; Nuclear environment data

Classification Codes:

454.2 (Environmental Impact & Protection); 622.5 (Radioactive Wastes); 723.3 (Database Systems)

454 (Environmental Engineering); 622 (Radioactive Materials); 723 (Computer Software)

45 (POLLUTION & SANITARY ENGINEERING); 62 (NUCLEAR TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING)

11/5/7 (Item 7 from file: 8)

DIALOG(R) File 8: Ei Compendex(R)

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04596334 E.I. No: EIP97013488589

Title: Towards a reactive object design for real-time control structures

Author: Chebeane, Hatem; Echallier, Florence; Vitry, Gerald

Corporate Source: Ecole Centrale de Lyon, Ecully, Fr

Conference Title: Proceedings of the 1996 IEEE Conference on Emerging Technologies and Factory Automation, ETFA'96. Part 1 (of 2)

Conference Location: Kauai, HI, USA Conference Date: 19961118-19961121

Sponsor: IEEE

E.I. Conference No.: 45785

Source: IEEE Symposium on Emerging Technologies & Factory Automation, ETFA v 1 1996. IEEE, Piscataway, NJ, USA. p 172-178

Publication Year: 1996

CODEN: 85ROAM

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review); T; (Theoretical)

Journal Announcement: 9703W1

Abstract: We propose a development of a structure for production control with multi agents, integrating forward scheduling. We adopt the reactive approach using the OMT/MOORE modeling method and programming with reactive objects. (Author abstract) 16 Refs.

Descriptors: *Production control; Real time systems; Scheduling; Control system analysis; Computer programming; Intelligent control; Object oriented programming

Identifiers: Integrating forward scheduling; OMT/MOORE modeling method; Reactive object design

Classification Codes:

723.4.1 (Expert Systems)
913.2 (Production Control); 722.4 (Digital Computers & Systems); 912.2 (Management); 731.1 (Control Systems); 723.1 (Computer Programming); 723.4 (Artificial Intelligence)

913 (Production Planning & Control); 722 (Computer Hardware); 912 (Industrial Engineering & Management); 731 (Automatic Control Principles); 723 (Computer Software)

91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING)

11/5/13 (Item 1 from file: 35)

DIALOG(R) File 35: Dissertation Abs Online

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01253802 ORDER NO: AAD92-36444

OBJECT-ORIENTED HIERARCHIES ACROSS PROTECTION BOUNDARIES

Author: DYKSTRA, DAVID WAYNE
Degree: PH.D.
Year: 1992
Corporate Source/Institution: UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
(0090)
Adviser: ROY H. CAMPBELL
Source: VOLUME 53/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3593. 141 PAGES
Descriptors: COMPUTER SCIENCE
Descriptor Codes: 0984

Protection is the mechanism employed by operating systems to control access to resources. Object encapsulation in object-based systems requires control of access to every object. The incremental definition of objects through inheritance and type hierarchies is an important aspect of object-oriented systems. This dissertation examines the relationship between protection and object-oriented hierarchies. Splitting object-oriented hierarchies across protection boundaries is particularly attractive for the purposes of providing a uniform programming model to object-oriented applications and for implementing a minimal object-oriented kernel.

After surveying current research and providing a background for discussion, this dissertation presents a detailed analysis of the issues relating to splitting object-oriented hierarchies across protection boundaries. The analysis is independent of language, operating system, and protection model. The analysis reveals the precautions that must be taken to guard against protection violations. The analysis also shows that in the general case an object must be able to be split across the protection boundaries, and that the child portion of the object should delegate or **forward** unrecognized **method** calls to the parent portion of the **object** on the other side of the boundary.

A practical implementation of object-oriented hierarchies across protection boundaries is presented. The implementation uses C++ and the Choices object-oriented operating system. The implementation is based on proxy objects and a partitioned rings of protection model. Proxy objects are automatically allocated, validated, and stripped off to provide an interface that is transparent to the programmer. A tool called Proxify++ assists in providing necessary information to the run-time system. Examples of the use of the implementation are provided, and experience gained by moving the filesystem hierarchy outside of the kernel is presented. Performance of the implementation is also evaluated, and calls to the kernel are found to be comparable to operating systems that are not object-oriented. Performance for calls to intermediate rings is found to be superior to calls to separate address spaces.

11/5/14 (Item 1 from file: 2)
DIALOG(R) File 2:INSPEC
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6837789 INSPEC Abstract Number: C2001-03-7420-025
Title: Research on multi-robot oriented application inter-operation system based on CORBA communications
Author(s): He Ming-xi; Yin Chao-wan
Author Affiliation: Shenyang Inst. of Autom., Chinese Acad. of Sci., China
Journal: Robot vol.22, no.3 p.194-200
Publisher: Chinese Assoc. of Automation,
Publication Date: May 2000 Country of Publication: China
CODEN: JIQIER ISSN: 1002-0446
SICI: 1002-0446(200005)22:3L:194:RMRO;1-X
Material Identity Number: P839-2000-005
Language: Chinese Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: This paper presents a system integration model based on the

Common Object Request Broker Architecture (CORBA) and Frame Request Broker (FRB) for heterogeneous distributed multi-robot systems. An effective approach is provided for implementing the communication, cooperation and programming of heterogeneous distributed multi-robot systems and for supporting system task regrouping and reconfiguration and application inter-operation. The **method** and mechanism are put **forward** to support **object** inter-operation for multi-robots using CORBA communications. A CORBA-based API and extended IDL (X-IDL) are presented. Through the construction and implementation of robot basic object classes, a multi-robot inter-operation and open distributed processing prototype system is developed. (4 Refs)

Subfile: C

Descriptors: application program interfaces; data communication; distributed object management; multi-robot systems; open systems; robot programming

Identifiers: heterogeneous distributed multi-robot communication; heterogeneous distributed multi-robot cooperation; system integration model ; Common Object Request Broker Architecture; Frame Request Broker; heterogeneous distributed multi-robot system; programming; supporting system; API; extended IDL; robot basic object classes; open distributed processing prototype system; multi-robot oriented application inter-operation system; CORBA communications; task regrouping; task reconfiguration

Class Codes: C7420 (Control engineering computing); C3390 (Robotics); C6150N (Distributed systems software); C6110J (Object-oriented programming)
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11/5/15 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

6485883 INSPEC Abstract Number: C2000-03-7410B-044

Title: Research on object-oriented graphical and automatic modeling system

Author(s): Cheng Fang-Zhen; Jiang Zi-Kang

Author Affiliation: Dept. of Thermal Eng., Tsinghua Univ., Beijing, China

Journal: Journal of System Simulation vol.12, no.1 p.65-9

Publisher: Editorial Committee of J. Systems Simulation,

Publication Date: Jan. 2000 Country of Publication: China

ISSN: 1004-731X

SICI: 1004-731X(200001)12:1L.65:ROOG;1-C

Material Identity Number: H448-2000-002

Language: Chinese Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: With the increase of system complexity, manual modeling method is no longer compliant to our needs, and will be replaced by automatic modeling **method**. This paper adopts **advanced** graphical **method** and uses the **object** -oriented methods to develop an automatic modeling system. It can automatically create the models of complex systems rapidly, and has been used in the simulation research of dynamic, flow net and control systems of power plant successfully. (5 Refs)

Subfile: C

Descriptors: object-oriented methods; power system control; power system simulation

Identifiers: system complexity; manual modeling; automatic modeling; advanced graphical method; object-oriented; with high open; complex systems ; control systems; power plant

Class Codes: C7410B (Power engineering computing); C3340H (Control of electric power systems); C6110J (Object-oriented programming)

Copyright 2000, IEE

11/5/18 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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6217203 INSPEC Abstract Number: C1999-05-6110B-043

Title: Advanced developing method for embedded system software by object oriented model

Author(s): Tokuyama, T.; Otoshi, N.; Suzuki, Y.

Author Affiliation: Network Syst. Dev. Centre, Matsushita Commun. Ind. Co. Ltd., Osaka, Japan

Journal: Matsushita Technical Journal vol.45, no.1 p.17-21

Publisher: Matsushita Electric Industrial Co,

Publication Date: Feb. 1999 Country of Publication: Japan

ISSN: 1343-9529

SICI: 1343-9529(199902)45:1L:17:ADME;1-1

Material Identity Number: G497-1999-002

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: In the field where embedded system software is applied, low-speed low-cost CPUs may be used for cost reduction. In this case, the modularity of the software tends to be degraded in order to secure required performance, because of the trade-off relation between performance and modularity. Embedded system software will become more large scale in the future. Due to the degradation of software modularity, degradation of the extendability, maintainability and reusability will cause big problems. "HerbOS", an original real time OS, has been developed as the base environment for embedded system software with compatibility of performance and modularity. HerbOS greatly upgrades the development man-hours and reusability. (1 Refs)

Subfile: C

Descriptors: embedded systems; object-oriented programming; operating systems (computers); software maintenance; software reusability

Identifiers: advanced development method; embedded system software; object oriented model; low-speed low-cost CPUs; cost reduction; modularity; software modularity; extendability; maintainability; reusability; HerbOS; real time OS; development time

Class Codes: C6110B (Software engineering techniques); C6110J (Object-oriented programming); C0310F (Software development management); C6150J (Operating systems)

14/5/1 (Item 1 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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06789706 E.I. No: EIP04148097783

Title: Object-oriented Software Reuse via Internet
Author: Sodhi, Prince; Sodhi, Jag
Conference Title: 4th International Conference on Computer Science and Informatics, JCIS 1998
Conference Location: Research Triangle Park, NC, United States
Conference Date: 19981023-19981028
Sponsor: Association for Intelligent Machinery; Duke University; Elsevier Publishing Company; Information Sciences Journal; US Army Research Office, Research Triangle Park, NC, USA
E.I. Conference No.: 62548
Source: Proceedings of the Joint Conference on Information Sciences v 3 1998.
Publication Year: 1998
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)
Journal Announcement: 0404W1

Abstract: The advantages of object oriented software reuse are discussed. An object oriented approach improves the flexibility through polymorphism that simplifies software development. The major benefits of an object oriented approach are faster development of software that may provide financial savings, and a more reliable application due to reusing, proven and tested, software components. An object oriented approach can also reduce development cost and time to deploy an application through the use of components, located in the repository, by inheritance of these components. (Edited abstract) 2 Refs.

Descriptors: *Computer software reusability; Object oriented programming; Software engineering; Internet; Computer software maintenance; Computer architecture; Interoperability; Encapsulation; Standardization; Cost effectiveness

Identifiers: Common object request broker architecture (CORBA); Remote method invocation (RMI)

Classification Codes:
723.1 (Computer Programming); 902.2 (Codes & Standards); 911.2 (Industrial Economics)
723 (Computer Software, Data Handling & Applications); 722 (Computer Hardware); 902 (Engineering Graphics; Engineering Standards; Patents); 911 (Cost & Value Engineering; Industrial Economics)
72 (COMPUTERS & DATA PROCESSING); 90 (ENGINEERING, GENERAL); 91 (ENGINEERING MANAGEMENT)

14/5/3 (Item 3 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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05649440 E.I. No: EIP00095320689

Title: CORBA-based object group service and a join service providing a transparent solution for parallel programming

Author: Aleksy, Markus; Korthaus, Axel
Corporate Source: Univ of Mannheim, Ger
Conference Title: PDSE 2000: International Symposium on Software Engineering for Parallel and Distributed Systems
Conference Location: Limerick, Ireland Conference Date: 19000610-19000611

E.I. Conference No.: 57210
Source: International Workshop on Software Engineering for Parallel and Distributed Systems, Proceedings 2000., Piscataway, NJ, USA. p 123-134
Publication Year: 2000
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)

Journal Announcement: 0010W3

Abstract: The field of distributed parallel programming is predominated by tools such as the Parallel Virtual Machine (PVM) and the Message Passing Interface (MPI). On the other hand, mainly standards like the Common Object Request Broker Architecture (CORBA), Remote Method Invocation (RMI), and the Distributed Component Object Model (DCOM) are used for distributed computing. In this paper, we examine the suitability of CORBA-based solutions for meeting application requirements in the field of parallel programming. We outline concepts defined within CORBA which are helpful for the development of parallel applications. Subsequently, we present our design of an Object Group Service and a Join Service which facilitate the development of CORBA-based distributed and parallel software applications by transparently encapsulating typical forking and joining mechanisms often needed in that context. (Author abstract) 20 Refs.

Descriptors: *Distributed computer systems; Computer architecture; Parallel processing systems; Software engineering; Interoperability; Computer software portability; Computer hardware description languages; C (programming language); Java programming language

Identifiers: Common object request broker architecture; Object group service; Distributed parallel programming; Interface definition language

Classification Codes:

723.1.1 (Computer Programming Languages)

722.4 (Digital Computers & Systems); 723.1 (Computer Programming)

722 (Computer Hardware); 723 (Computer Software)

72 (COMPUTERS & DATA PROCESSING)

14/5/4 (Item 4 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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05617352 E.I. No: EIP00085272686

Title: Using mobile agents for network performance management

Author: Bohoris, C.; Pavlou, G.; Cruickshank, H.

Corporate Source: Univ of Surrey, Surrey, Engl

Conference Title: NOMS 2000: IEEE/IFIP Network Operations and Management Symposium 'The Networked Planet: Management Beyond 2000'

Conference Location: Honolulu, HI, USA **Conference Date:** 19000410-19000414

E.I. Conference No.: 57026

Source: IEEE Symposium Record on Network Operations and Management Symposium 2000. IEEE, Piscataway, NJ, USA. p 637-652

Publication Year: 2000

CODEN: INOSE3

Language: English

Document Type: CA; (Conference Article) **Treatment:** G; (General Review)

Journal Announcement: 0009W2

Abstract: Mobile agent frameworks have attracted a lot of attention in recent years, seen as counterparts of static distributed object frameworks but allowing also for object or agent mobility. A lot of research is currently being carried out trying to assess their applicability to network management and control environments. In this paper, we present our experiences of using a mobile agent framework to design and realize a performance management system which exhibits 'constrained mobility', constrained in the sense that performance monitoring agents are sent to execute within network elements and stay there until their task is accomplished. We present the architecture, design and implementation of such a system, compare and contrast it to static object approaches and present a detailed performance comparison to a similar Java-RMI based implementation, trying to assess the overhead of mobile agent solutions. (Author abstract) 18 Refs.

Descriptors: *Computer networks; Distributed computer systems; Information management; Java programming language; Gateways (computer networks); Congestion control (communication); Telecommunication traffic; Packet switching; Network protocols; Performance

Identifiers: Mobile agents ; Common object request broker architecture; Java remote method invocation; Telecommunications management network

Classification Codes:

723.1.1 (Computer Programming Languages)
723.5 (Computer Applications); 722.4 (Digital Computers & Systems);
903.2 (Information Dissemination); 723.1 (Computer Programming); 716.1 (Information & Communication Theory); 722.3 (Data Communication, Equipment & Techniques)
723 (Computer Software); 722 (Computer Hardware); 903 (Information Science); 716 (Radar, Radio & TV Electronic Equipment)
72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING); 71 (ELECTRONICS & COMMUNICATIONS)

14/5/5 (Item 5 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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05595338 E.I. No: EIP00075228222

Title: Don't know beans? Try Java

Author: Jepsen, Tom

Corporate Source: Fujitsu Network Communications

Source: IT Professional v 2 n 2 2000. p 29-35

Publication Year: 2000

CODEN: IPMAFM ISSN: 1520-9202

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 0008W3

Abstract: Java has an eventful history and because of this, it is hard to believe that it has been around for just four years. It is shown how this mobile programming language was developed. The future of Java is discussed.

Descriptors: *Java programming language; Software engineering; Object oriented programming; Graphical user interfaces; Electronic commerce; Computer architecture; Standardization; C (programming language)

Identifiers: Application programming interfaces (API); Common object request broker architecture (CORBA); Remote method invocation (RMI)

Classification Codes:

723.1.1 (Computer Programming Languages)
723.1 (Computer Programming); 722.2 (Computer Peripheral Equipment);
723.5 (Computer Applications)
723 (Computer Software); 722 (Computer Hardware)
72 (COMPUTERS & DATA PROCESSING)

14/5/7 (Item 7 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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05057696 E.I. No: EIP98074271183

Title: Specification and verification of an object request broker

Author: Duval, Gregory

Corporate Source: Ecole Polytechnique Federale, Lausanne, Switz

Conference Title: Proceedings of the 1998 20th International Conference on Software Engineering

Conference Location: Kyoto, Jpn Conference Date: 19980419-19980425

E.I. Conference No.: 48589

Source: Forging New Links Proceedings - International Conference on Software Engineering 1998. IEEE Comp Soc, Los Alamitos, CA, USA. p 43-52

Publication Year: 1998

CODEN: PCSEDE ISSN: 0270-5257

Language: English

Document Type: CA; (Conference Article) Treatment: G; (General Review)

Journal Announcement: 9809W1

Abstract: This paper reports the results of specifying, modeling and

paper verifying a safe **Object Request Broker**. This method has been applied on several case studies by using the SPIN verification tool. An object request broker have been implemented using sC plus plus, a concurrent extension of C plus plus designed by our team. Liveness and safety properties have been checked on the model to ensure the system behaviour is correct. This application shows the efficiency of using formal methods in building safe applications. It also shows that sC plus plus is appropriate for developing protocols and communicating systems and is easily translatable from models such as Promela. (Author abstract) 19 Refs.

Descriptors: *Computer aided software engineering; Information retrieval systems; Object oriented programming; C (programming language); Data structures; Network protocols; Formal logic; Online systems; Security of data; Concurrency control

Identifiers: **Object request broker (ORB)**; Formal methods

Classification Codes:

723.1.1 (Computer Programming Languages)

723.1 (Computer Programming); 723.5 (Computer Applications); 903.3 (Information Retrieval & Use); 723.2 (Data Processing)

723 (Computer Software); 903 (Information Science)

72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING)

14/5/9 (Item 9 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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05003380 E.I. No: EIP98044176002

Title: Software agents for advanced telecommunication services

Author: Vanderstraeten, H.; Vermeueln, C.

Source: Alcatel Telecommunications Review n 1st Quarter 1998. p 62-67

Publication Year: 1998

CODEN: ATREFX ISSN: 1267-7167

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review)

Journal Announcement: 9806W4

Abstract: A software agent can be defined as a program that can act on behalf of user and, in doing so, simulates some intelligent human behavior. As such, an agent can understand its user's goals and can take the initiative in meeting these goals. The agent can operate and react autonomously, using its built-in capabilities to negotiate with other agents. These agents can be used to significantly augment telecommunication service features, without adding complexity for the end-user. However, further standardization of efforts, most notably to define content and information languages, are crucial to ensure interoperability between the advanced telecommunication services. 6 Refs.

Descriptors: *Telecommunication services; Computer software; Artificial intelligence; Telecommunication networks; Database systems; Data acquisition; Wide area networks; Network protocols; High level languages; Computer architecture

Identifiers: Software agents; Transmission control protocol (TCP); Internet protocol (IP); Telecommunication network management (TMN); Common **object request broker** architecture (CORBA); Remote **method** invocation (RMI)

Classification Codes:

723.4 (Artificial Intelligence); 723.3 (Database Systems); 723.2 (Data Processing); 722.3 (Data Communication, Equipment & Techniques)

716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software); 722 (Computer Hardware)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

14/5/10 (Item 10 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04978845 E.I. No: EIP98034138223

Title: Using Internet protocol for data transfer between CORBA objects

Author: Kikuchi, Jun-ichi; Iida, Koji

Corporate Source: NTT Information and Communication Systems Lab, Jpn

Source: NTT R&D v 46 n 12 1997. p 1317-1322

Publication Year: 1997

CODEN: NTTDEC **ISSN:** 0915-2326

Language: Japanese

Document Type: JA; (Journal Article) **Treatment:** T; (Theoretical)

Journal Announcement: 9805W3

Abstract: The authors propose a method of transferring large amounts of data stored in files between CORBA (Common Object Request Broker Architecture) objects. The method uses Internet protocol to transfer the data between server object proxies, one deployed where it can access the client-side file system and the other in a position to access the server object file system. The client and server objects have ORB (Object Request Broker) interfaces with their respective proxies, and are involved in data transfer starting and acknowledgement. Since the use of Internet protocol is encapsulated inside the proxy, from the viewpoint of the client and server object it appears as if they are using ORB to carry out the data transfer. Moreover, data transfer is possible even if the client or server object is unable to use ORB, a feature that should benefit legacy systems. (Translated author abstract) 6 Refs.

Descriptors: *Network protocols; Data transfer; Wide area networks; Object oriented programming; Interfaces (computer); Data communication systems

Identifiers: Common object request broker architecture (CORBA); Internet protocol

Classification Codes:

723.2 (Data Processing); 722.3 (Data Communication, Equipment & Techniques); 723.1 (Computer Programming); 722.2 (Computer Peripheral Equipment)

723 (Computer Software); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING)

14/5/12 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

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6072360 INSPEC Abstract Number: C9812-6150N-065

Title: RMI and DCOM-let the battle commence

Author(s): Rock-Evans, R.

Journal: Enterprise Middleware p.2-7

Publisher: Xephon,

Publication Date: Feb. 1998 **Country of Publication:** UK

Material Identity Number: G410-98002

Language: English **Document Type:** Journal Paper (JP)

Treatment: Practical (P)

Abstract: RMI (Remote Method Invocation) is an extension to the core Java language, a mechanism which enables an object to invoke the methods on another remote object. It is thus middleware. Surrounding the basic RMI mechanism, however, is a host of technologies which not only start to make the Java environment a rival to CORBA, but a serious rival to DCOM and Windows NT. In fact, with Java, the Java system, RMI, JavaOS, JNI, the JavaAPIs, JDBC, and the Java foundation classes, JavaSoft is gradually creating an environment which is a direct equivalent to Windows NT. The paper discusses the RMI and DCOM battle. (0 Refs)

Subfile: C

Descriptors: client-server systems; distributed processing; object-oriented languages; object-oriented methods

Identifiers: RMI; DCOM; Remote Method Invocation; Java language; middleware; CORBA; Windows NT; JavaOS; JNI; JavaAPI; JDBC; JavaSoft

Class Codes: C6150N (Distributed systems software); C6110J (Object-oriented programming); C6140D (High level languages)

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14/5/13 (Item 2 from file: 2)
DIALOG(R) File 2:INSPEC
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5719416 INSPEC Abstract Number: C9711-6115-040

Title: Rebuilt parts [Parts for Java, software review]

Author(s): Grehan, R.

Journal: BYTE (International Edition) vol.22, no.10 p.117-18

Publisher: McGraw-Hill,

Publication Date: Oct. 1997 Country of Publication: USA

CODEN: BYTEDJ ISSN: 0360-5280

SICI: 0360-5280(199710)22:10L:117:RPPJ;1-Y

Material Identity Number: G109-97008

U.S. Copyright Clearance Center Code: 0360-5280/97/\$1.50

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P); Product Review (R)

Abstract: ParcPlaceDigitalk Parts for Java (PFJ) is an excellent visual-programming environment for Java. This is an integrated development environment (IDE) for Java development that inherits much from its Smalltalk parentage. The migration of the part concept, PFJ's atomic component, from Smalltalk to Java has been made possible largely thanks to the ongoing maturing of the Java bean. A PFJ part is a bean. PFJ's parts are the visual and nonvisual objects that populate a PFJ application (or applet). You create a Java application by the now-familiar activity of dragging and dropping parts into a Java application's frame. Once a part (which is really a bean) is in place, you modify its characteristics through property sheets-dialog boxes that are packaged with the part and that provide access to a part's characteristics. Beyond the IDE, PFJ also includes support for Common Object Request Broker Architecture (CORBA) and remote method invocation (RMI). PFJ's ClassMaster browser is its most obvious inheritance from the Smalltalk world. A classic three-pane browser, ClassMaster provides a unified view of a given class. Finally, PFJ's debugger, which is multithreaded and as good as any that I have seen, is written entirely in Java. That makes it portable to any platform that supports Java. (0 Refs)

Subfile: C

Descriptors: object-oriented languages; programming environments; software reviews; visual programming

Identifiers: software review; Parts for Java; ParcPlaceDigitalk; visual-programming environment; integrated development environment; Smalltalk; atomic component; Java bean; applet; property sheets; Common Object Request Broker Architecture; CORBA; remote method invocation; RMI; ClassMaster browser; debugger

Class Codes: C6115 (Programming support); C6110J (Object-oriented programming); C6110V (Visual programming)

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14/5/14 (Item 3 from file: 2)
DIALOG(R) File 2:INSPEC
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5661108 INSPEC Abstract Number: C9709-5610N-002

Title: Web components

Author(s): Pountain, D.; Montgomery, J.

Journal: BYTE (International Edition) vol.22, no.8 p.56-60, 62, 64, 66, 68

Publisher: McGraw-Hill,

Publication Date: Aug. 1997 Country of Publication: USA

CODEN: BYTEDJ ISSN: 0360-5280

SICI: 0360-5280(199708)22:8L:56:C;1-Q

Material Identity Number: G109-97006

U.S. Copyright Clearance Center Code: 0360-5280/97/\$1.50
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)

Abstract: Components for developing interfaces have been around for a while. However, any developer working on a three-tier application can tell you that components for the middle tier are scarce. That's changing, thanks to the Web. Client components save developers time by encouraging reusability. Throw some ActiveX controls together in Delphi or Visual Basic, and you have an application. On the server, they go a step further. If you build your middle-tier business logic from small, quick-to-write components, you can just replace parts when they are superseded. Not only that, if your application breaks into neat chunks, it's easier to spread the load across multiple servers. Microsoft calls it Web computing. Netscape calls it (in a somewhat cumbersome way) Crossware. And it sounds great-on paper. But a ream of incompatible interfaces and untested standards can face middle-tier developers. Disputes follow everything from network component models-ActiveX, JavaBeans, COM, Common Object Request Broker Architecture (CORBA), IIOP, remote method invocation (RMI)-to transaction systems-Customer Information Control System (CICS), Tuxedo, Microsoft Transaction Server. Some analysis of the technologies involved can help you make some decisions about how you should implement server componentware. (0 Refs)

Subfile: C

Descriptors: Internet; network interfaces; network servers; software reusability

Identifiers: Web components; interfaces; middle tier; reusability; client components; Web computing; Crossware; multiple servers; server componentware

Class Codes: C5610N (Network interfaces); C5620W (Other computer networks); C6110B (Software engineering techniques)

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14/5/15 (Item 4 from file: 2)
DIALOG(R) File 2:INSPEC
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4715824 INSPEC Abstract Number: C9409-6110J-009

Title: A flexible system design to support object-groups and object-oriented distributed programming

Author(s): Maffeis, S.

Author Affiliation: Dept. of Comput. Sci., Zurich Univ., Switzerland
p.213-24

Editor(s): Guerraoui, R.; Nierstrasz, O.; Riveill, M.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1994 **Country of Publication:** West Germany vi+261 pp.

ISBN: 3 540 57932 X

Conference Title: ECOOP '93 Workshop. Object-Based Distributed Programming

Conference Date: 26-27 July 1993 **Conference Location:** Kaiserslautern, Germany

Language: English **Document Type:** Conference Paper (PA)

Treatment: Practical (P)

Abstract: Under many circumstances, the development of distributed applications greatly benefits from mechanisms like process groups, reliable multicast, and message passing. However, toolkits offering these capabilities are often low-level and therefore difficult to program. To ease the development of distributed applications, we propose to hide these low-level functions behind object-oriented abstractions such as object groups, Remote Method Calling, and Smart Proxies. Furthermore, we describe how the ELECTRA toolkit provides such object-oriented abstractions in a portable and highly machine-independent way. (26 Refs)

Subfile: C

Descriptors: message passing; object-oriented programming; parallel

programming

Identifiers: object-oriented distributed programming; distributed applications; process groups; reliable multicast; message passing; object-oriented abstractions; object groups; Remote Method Calling; Smart Proxies; ELECTRA toolkit; machine-independent

Class Codes: C6110J (Object-oriented programming); C6110P (Parallel programming); C6150N (Distributed systems)

14/5/16 (Item 1 from file: 94)
DIALOG(R) File 94:JICST-EPlus
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04494687 JICST ACCESSION NUMBER: 00A0188590 FILE SEGMENT: JICST-E
Implementation and Evaluation JavaPM/Myrinet and SORB.
OKAZAKI FUMIHIRO (1); MATSUDA MOTOHIKO (1); IRIGUCHI HIROKAZU (1)
(1) Real World Computing Partnership., JPN
Joho Shori Gakkai Kenkyu Hokoku, 1999, VOL.99,NO.103(HPC-79), PAGE.31-36,
FIG.7, TBL.1, REF.6
JOURNAL NUMBER: Z0031BAO ISSN NO: 0919-6072
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:654 681.3.02.001
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication
ABSTRACT: SORB is an ORB(**Object Request Broker**) with aggregate
method invocation and fault tolerance via redundancy, designed to ease
development of parallel application servers. JavaPM is an adaptation
layer of the existing communication layer PM/Myrinet in Java, designed
to run primitives of SORB. JavaPM attains the communication performance
of bandwidth 65MB/sec(throughput) and latency 85usec(round-trip). SORB
attains the performance of remote method invocation 50% faster than
Java RMI and is comparable to HORB's. (author abst.)
DESCRIPTORS: performance evaluation; parallel processing; computer network;
personal computer; object-oriented language; object-oriented design;
library(computer); speedup; throughput; delay; system interface
IDENTIFIERS: Java; CORBA
BROADER DESCRIPTORS: evaluation; treatment; communication network;
information network; network; digital computer; computer; hardware;
programming language; formal language; language; software design;
design; software; modification; improvement; performance; interface
CLASSIFICATION CODE(S): JC03000K; JD02010R

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)
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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200524
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Set	Items	Description
S1	46	(METHOD? ?(3W) (CALLED OR INVOKED OR REQUESTED)) (7W)OBJECT?
	?	
S2	113	(OBJECT? ?(3W) (CALL? ? OR CALLING OR INVOKE OR INVOKES OR - INVOKING OR REQUEST OR REQUESTS OR REQUESTING)) (5W)METHOD? ?
S3	159	(METHOD(5W) (BROKERED OR FORWARD??? OR ADVANC??? OR CONVEY?- ?? OR PASS???()ON OR DISPATCHED)) (7W)OBJECT? ?
S4	55	((BROKERING OR BROKERS OR DISPATCHING OR DISPATCHES OR FOR- WARD??? OR ADVANC??? OR CONVEY??? OR PASS???()ON) (5W)METHOD) (- 7W)OBJECT? ?
S5	0	(BROKERED(3W)METHOD) (7N)OBJECT
S6	42515	METHOD? ?(7N) (BROKER OR AGENT? ? OR PROXY OR PROXIES OR EN- VOY? ? OR GO()BETWEEN OR INTERMEDIAR??? OR MEDIAR??? OR MIDDLE- EM?? OR MIDDLEWARE OR REPOSITORY OR REPOSITORIES OR DIRECTORY OR DIRECTORIES OR LIBRARY OR LIBRARIES OR POOL? ?)
S7	1	S1:S2 AND S3:S4
S8	4	S3:S4 AND S6
S9	29	S1:S2 AND S6
S10	20	S9 AND AC=US/PR
S11	10	S10 AND AY=(1970:2000)/PR
S12	6	S9 AND PY=1970:2000
S13	12	S11:S12
S14	16	S7:S8 OR S13

14/5/1 (Item 1 from file: 347)
DIALOG(R) File 347:JAPIO
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06434923 **Image available**
COMPUTER HAVING REMOTE PROCEDURE CALLING MECHANISM OR OBJECT REQUEST
BROKER MECHANISM, DATA TRANSFER METHOD AND TRANSFER METHOD STORAGE
MEDIUM

PUB. NO.: 2000-020490 [JP 2000020490 A]
PUBLISHED: January 21, 2000 (20000121)
INVENTOR(s): IMAI YUJI
APPLICANT(s): FUJITSU LTD
APPL. NO.: 10-186082 [JP 98186082]
FILED: July 01, 1998 (19980701)
INTL CLASS: G06F-015/163; G06F-013/00

ABSTRACT

PROBLEM TO BE SOLVED: To shorten the delay of data transfer between computers having object request broker(ORB) and remote procedure calling(RPC) mechanisms by directly transferring data from a physical memory area built in a communication source computer to a physical memory area in a communication party side computer.

SOLUTION: A remote direct data transfer means 4 executes remote direct memory access(RDMA) for directly transferring data stored in a physical memory built in its own computer to a physical memory area in a communication party side computer. Both the computers are mutually connected by a system area network(SAN) 5 e.g. and data transfer by the means 4 is executed by using the SAN 5 as a physical communication line. Although conversion into a common data format is always executed before the transmission of normal data, the conversion into the common data format can be omitted when the data expression formats of the transmitting side and receiving side computers are the same.

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14/5/2 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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016481927 **Image available**
WPI Acc No: 2004-639870/200462
Related WPI Acc No: 2003-066264
XRPX Acc No: N04-505670

Automation objects method invoking method , involves issuing request by client process, creating simple object access protocol proxy, passing request to proxy, and creating HTTP POST message that sent to server for invoking

Patent Assignee: MICROSOFT CORP (MICT)
Inventor: AL-GHOSEIN M; ANAND T K; DHONDU G; MEIN G; OEUVRAY P M; PAL S;
STOJANOVIC A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6782542	B1	20040824	US 97967082	A	19971110	200462 B
			US 2000741586	A	20001215	

Priority Applications (No Type Date): US 97967082 A 19971110; US 2000741586 A 20001215

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6782542	B1	14	G06F-009/46	Div ex application US 97967082 Div ex patent US 6457066

Abstract (Basic): US 6782542 B1

NOVELTY - The method involves issuing a request by a client process to invoke a method of a component object model Automation object. A simple object access protocol proxy is created, and the request is passed to the **proxy** to invoke the **method**. An HTTP POST message is created by the proxy and transmitted from the client to a server computer, where an application programming interface in the message is invoked and run.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a computer readable medium having computer executable instructions to perform the method for invoking, from a client computer.

USE - Used for invoking a method of an object e.g. component object model Automation object, on a server computer by a process e.g. web browser, running on a client computer (claimed).

ADVANTAGE - The simple object access protocol proxy as an application layer protocol allows remote Automation objects to be accessed using existing protocols which can pass through firewalls, thus solves the problems associated with passing distributed component software through a firewall in the client computer, and hence provides a way of allowing richer, interactive Web content to pass through firewall.

DESCRIPTION OF DRAWING(S) - DESCRIPTION OF DRAWING - The drawing shows a flowchart depicting a method of marshaling data across the internet.

pp; 14 DwgNo 3A/5

Title Terms: AUTOMATIC; OBJECT; METHOD; INVOKE; METHOD; ISSUE; REQUEST; CLIENT; PROCESS; SIMPLE; OBJECT; ACCESS; PROTOCOL; PASS; REQUEST; POST; MESSAGE; SEND; SERVE; INVOKE

Derwent Class: T01

International Patent Class (Main): G06F-009/46

File Segment: EPI

14/5/3 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016098130 **Image available**

WPI Acc No: 2004-256006/200424

XRPX Acc No: N04-203455

Message transmission method in data processing system, involves conveying component broker message queue message between programming objects employing diverse messaging languages

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ACKER L E H; CHEN P; KNUTSON J I; ZHOU Z

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6704805	B1	20040309	US 2000549152	A	20000413	200424 B

Priority Applications (No Type Date): US 2000549152 A 20000413

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6704805	B1	14	G06F-009/44	

Abstract (Basic): US 6704805 B1

NOVELTY - An enterprise Java bean (EJB) object is called to determine and store the properties of the Java bean being complaint with Java programming language. A part of the properties of called message queue business object complaint with another programming language is stored in the EJB object. The message is passed from business object to another programming object employing diverse messaging language.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the

following:

- (1) data processing system; and
- (2) computer program product includes computer usage medium storing message transmission program.

USE - For transmitting message between programming objects, such as message queue business object, enterprise Java bean (EJB) in data processing system (claimed).

ADVANTAGE - By using the simple method improved server programming in distributed data processing system is realized.

DESCRIPTION OF DRAWING(S) - The figure shows a message flow diagram explaining message transmission process.

pp; 14 DwgNo 3/3

Title Terms: MESSAGE; TRANSMISSION; METHOD; DATA; PROCESS; SYSTEM; CONVEY; COMPONENT; MESSAGE; QUEUE; MESSAGE; PROGRAM; OBJECT; EMPLOY; DIVERSE; MESSAGING; LANGUAGE

Derwent Class: T01

International Patent Class (Main): G06F-009/44

International Patent Class (Additional): G06F-009/00

File Segment: EPI

14/5/4 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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016078678 **Image available**

WPI Acc No: 2004-236539/200422

XRPX Acc No: N04-187356

Advanced object search method of metadata repository used by decision support system, by transferring search object to metadata server, and recursively searching repository for metadata objects meeting search criteria of search object

Patent Assignee: MICROSTRATEGY INC (MICR-N)

Inventor: HURWOOD W; LI B Z; WARIKOO A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6697808	B1	20040224	US 2001883172	A	20010619	200422 B

Priority Applications (No Type Date): US 2001883172 A 20010619

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6697808	B1	15	G06F-017/30	

Abstract (Basic): US 6697808 B1

NOVELTY - The method involves submitting to an object server a search object having search criteria established by a requester wherein the search criteria is used to screen the metadata objects in the metadata repository, transferring the search object to a metadata server, and recursively searching the metadata repository for metadata objects meeting the search criteria of the search object.

DETAILED DESCRIPTION - The method further involves returning to the requester a search result object including at least a portion of each of the metadata objects meeting the search criteria. An INDEPENDENT CLAIM is also included for a system for retrieving metadata relating to data stored in at least one data storage device of a decision support system.

USE - For searching metadata repository used to store metadata objects relating to data stored in at least one data storage device of a decision support system used to retrieve selected information from data warehouses.

ADVANTAGE - Allows user to access information from large databases in an efficient and convenient manner. Allows report to be quickly and easily regenerated.

DESCRIPTION OF DRAWING(S) - The figure is a block diagram

illustrating a metadata retrieval system.

pp; 15 DwgNo 4/6

Title Terms: ADVANCE; OBJECT; SEARCH; METHOD; REPOSITORY; DECIDE; SUPPORT;
SYSTEM; TRANSFER; SEARCH; OBJECT; SERVE; SEARCH; REPOSITORY; OBJECT;
SEARCH; CRITERIA; SEARCH; OBJECT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

14/5/5 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015748247 **Image available**

WPI Acc No: 2003-810448/200376

XRPX Acc No: N03-648913

Universal component system product architecture for supporting Java in computer network, bridges reusable component by dynamically wrapping reusable component in object to access component by invoking methods of object

Patent Assignee: NOVELL INC (NOVE-N)

Inventor: ANDREW C; NEVAREZ C A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6609158	B1	20030819	US 99427359	A	19991026	200376 B

Priority Applications (No Type Date): US 99427359 A 19991026

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6609158	B1	13	G06F-015/163	

Abstract (Basic): US 6609158 B1

NOVELTY - A core (228) which registers language templates and object management libraries, translates between programming language constructs and object management library calls. A reusable component is bridged by wrapping the reusable component dynamically in an object so that the formerly incompatible component is packaged as an universally reusable component, and access to the component is permitted by invoking the methods of the object.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) method of connecting the disparate components; and

(2) computer storage medium storing instructions for connecting the disparate components in a NetWare computer network.

USE - Universal component system (UCS) product architecture for supporting programming languages such as Novell Script for NetWare (NSN), PERL, C/C++, Java, Java Script, Visual Basic, compiled languages such as FORTRAN, BASIC, COBOL, interpreted languages such as list processing (LISP), and multiple object models such as common object request broker architecture (CORBA), Java/remote method invocation (RMI) and common object model (COM)/ActiveX, for connecting disparate software components in computer network with Novell NetWare software, such as local area network, wide area network, Internet such as private Internet, secure Internet, value-added network, virtual private network or intranet in distributed computing system.

ADVANTAGE - Provides flexible connections to disparate software components in a computer system using relatively simple architecture. Provides communication between programs written with respect to different languages and different objects. Allows automatic connections between a diversity to object models and programming languages. Eliminates the need for developers to manufacture code libraries or other bridges for each language or object model or operating system environment.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the universal component system (UCS) product architecture in a computer network.

UCS product architecture (200)

NSN (202)

PERL (204)

Java (208)

Java Script (210)

UCS core (228)

pp; 13 DwgNo 2/3

Title Terms: UNIVERSAL; COMPONENT; SYSTEM; PRODUCT; ARCHITECTURE; SUPPORT;
COMPUTER; NETWORK; BRIDGE; REUSE; COMPONENT; DYNAMIC; WRAP; REUSE;
COMPONENT; OBJECT; ACCESS; COMPONENT; INVOKE; METHOD; OBJECT

Derwent Class: T01

International Patent Class (Main): G06F-015/163

File Segment: EPI

14/5/6 (Item 5 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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015460299 **Image available**

WPI Acc No: 2003-522441/200349

XRPX Acc No: N03-414531

Legacy common object request broker architecture name space
integration method in data processing system, involves forwarding
object reference binding request to application server used as source
for object reference

Patent Assignee: INT BUSINESS MACHINES CORP (IBM)

Inventor: CHENG M; KNUTSON J I; NEWCOMBE R L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030074484	A1	20030417	US 2001975342	A	20011011	200349 B

Priority Applications (No Type Date): US 2001975342 A 20011011

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030074484	A1	17	G06F-009/44	

Abstract (Basic): US 20030074484 A1

NOVELTY - An object reference binding request is sent to an application server (420) used as source for the object reference. An object reference is located using a remote name space database, serialized into a format such as common object request broker architecture format and sent to a destination server (430). The destination server unserializes the object reference and performs binding using the destination name space path.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) object reference obtaining method;
- (2) data processing system; and
- (3) computer program product for binding object references.

USE - Legacy common object request broker architecture (CORBA) name space integration using web application servers in data processing system (claimed) such as network data processing system, stand-alone system, symmetric multiprocessor (SMP) system, notebook computer, hand-held computer, personal digital assistant (PDA), kiosk or web appliance.

ADVANTAGE - Enables accessing a remote name space efficiently and eliminates problems obtaining look up or reference to an object due to incompatibility of different protocols and vendor object request brokers (ORBs).

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of

the application servers.
application server (420)
destination server (430)
pp; 17 DwgNo 4/10
Title Terms: COMMON; OBJECT; REQUEST; ARCHITECTURE; NAME; SPACE; INTEGRATE;
METHOD; DATA; PROCESS; SYSTEM; FORWARDING; OBJECT; REFERENCE; BIND;
REQUEST; APPLY; SERVE; SOURCE; OBJECT; REFERENCE
Derwent Class: T01
International Patent Class (Main): G06F-009/44
International Patent Class (Additional): G06F-009/00; G06F-009/46;
G06F-015/16
File Segment: EPI

14/5/7 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015319306 **Image available**
WPI Acc No: 2003-380241/200336
XRPX Acc No: N03-303650

Object request broker communication handling method for data
communication, involves combining plug-in component and base
communication protocol, to handle communication between client/server
applications

Patent Assignee: BORLAND SOFTWARE CORP (BORL-N)
Inventor: SCOTT G M; SUNDIUS I
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030023577	A1	20030130	US 2000255568	P	20001214	200336 B
			US 200117476	A	20011214	

Priority Applications (No Type Date): US 2000255568 P 20001214; US
200117476 A 20011214

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030023577	A1		14	G06F-007/00	Provisional application US 2000255568

Abstract (Basic): US 20030023577 A1

NOVELTY - A plug-in component connecting object request broker
(ORB) and client/server (C/S) applications, and base communication
protocol (BCP) translating C/S application protocol to general
inter-ORB protocol (GIOP), are created. The plug-in component and the
BCP are combined so that the combination ORB handles communication from
C/S application in desired application protocol.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:

- (1) object request broker communication handling apparatus;
- (2) article of manufacture storing object request broker
communication program; and
- (3) communication service request handling method.

USE - In data communication, for brokering object requests in
several communication protocols.

ADVANTAGE - Allows application writers to register additional
non-standard protocols with a CORBA compliant ORB, thereby customizing
the product to a specific application area, while avoiding the expose
of the proprietary protocol. Provides an ORB that allows user to
plug-in a proprietary user-defined protocol by modifying the ORB
protocol engine architecture such that an appropriate interface exists
which enables ORB to handle the communication.

DESCRIPTION OF DRAWING(S) - The figure shows the ORB protocol
engine architecture.

pp; 14 DwgNo 1/6

Title Terms: OBJECT; REQUEST; COMMUNICATE; HAND; METHOD; DATA; COMMUNICATE;
COMBINATION; PLUG; COMPONENT; BASE; COMMUNICATE; PROTOCOL; HANDLE;

COMMUNICATE; CLIENT; SERVE; APPLY
Derwent Class: T01
International Patent Class (Main): G06F-007/00
File Segment: EPI

14/5/8 (Item 7 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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015266606 **Image available**
WPI Acc No: 2003-327535/200331
XRPX Acc No: N03-261822

Interpreter system for distributed network system, has resource accessor in interpreter libraries, that creates stream object to access server resource based on access information, provided by resource locator

Patent Assignee: NOVELL INC (NOVE-N)
Inventor: ECHOLS G G; SUMSION J G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6496865	B1	20021217	US 97815544	A	19970312	200331 B

Priority Applications (No Type Date): US 97815544 A 19970312

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6496865	B1	20	G06F-015/16	

Abstract (Basic): US 6496865 B1

NOVELTY - The interpreter libraries (203) that define an application program interface, has a resource locator residing on the client node (250), which interrogates the server node (251) to acquire access information. A resource accessor creates a stream object to access the server resource based on the access information, to allow a server stream object to be used interchangeably with a related application stream object.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) resource access system;
- (2) controller for accessing resources;
- (3) computer program product for enabling a processor to access resources; and
- (4) method for providing interpreter application.

USE - E.g. Java virtual machine interpreter, common **object request broker** architecture (CORBA), Java remote **method** invocation (RMI), or distributed common object model (DCOM) interpreter for accessing server resources in distributed network system.

ADVANTAGE - Interpreter applications are provided to any desired server resource, so that a board range of server resource is accessed reliably, regardless of the type of server.

DESCRIPTION OF DRAWING(S) - The figure shows a functional block diagram of a interpreter client node and network server node.

interpreter libraries (203)
client node (250)
server node (251)
pp; 20 DwgNo 2A/7

Title Terms: INTERPRETATION; SYSTEM; DISTRIBUTE; NETWORK; SYSTEM; RESOURCE; INTERPRETATION; STREAM; OBJECT; ACCESS; SERVE; RESOURCE; BASED; ACCESS; INFORMATION; RESOURCE; LOCATE

Derwent Class: T01
International Patent Class (Main): G06F-015/16
International Patent Class (Additional): G06F-009/46
File Segment: EPI

14/5/9 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014815170 **Image available**
WPI Acc No: 2002-635876/200268
XRPX Acc No: N02-502375

Common object request handling method in object request broker
server library, involves locating server object using marshaled object
key and invoking operation on located server object

Patent Assignee: BORLAND SOFTWARE CORP (BORL-N)

Inventor: KASARAVALLI V; WEEDON J K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020091750	A1	20020711	US 2000255551	A	20001214	200268 B
			US 200113339	A	20011210	

Priority Applications (No Type Date): US 2000255551 P 20001214; US
200113339 A 20011210

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020091750	A1	5	G06F-015/16	Provisional application US 2000255551

Abstract (Basic): US 20020091750 A1

NOVELTY - A server object is located using a marshaled object key,
free of any need to parse a portable object adapter (POA) tree. An
operation is invoked on the located server object.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for thread.

USE - For handling requests for performing operation on an object
in object request broker (ORB) server library.

ADVANTAGE - As the marshaled object key is used to locate the
server object, the performance of the ORB system is improved.

DESCRIPTION OF DRAWING(S) - The figure explains common object
requests handling process.

pp; 5 DwgNo 2/2

Title Terms: COMMON; OBJECT; REQUEST; HANDLE; METHOD; OBJECT; REQUEST;
SERVE; LIBRARY; LOCATE; SERVE; OBJECT; OBJECT; KEY; INVOKE; OPERATE;
LOCATE; SERVE; OBJECT

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

14/5/10 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014173800 **Image available**
WPI Acc No: 2001-658028/200176
XRPX Acc No: N01-490561

Client-server scheduling method involves executing tasks and subtasks
scheduled on client and server, based on set time

Patent Assignee: TEXAS INSTR INC (TEXI); KILLIAN R T (KILL-I);
MILOVANOVIC R (MILO-I); NARAYAN A (NARA-I); OVERTURF J M (OVER-I); PATTON
S T (PATT-I); THRIFT P R (THRI-I)

Inventor: KILLIAN R T; MILOVANOVIC R; NARAYAN A; OVERTURF J M; PATTON S T;
THRIFT P R

Number of Countries: 031 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1150208	A2	20011031	EP 2001128	A	20010426	200176 B
US 20020019843	A1	20020214	US 2000199753	P	20000426	200214
			US 2000199754	P	20000426	

			US 2000199755	P	20000426	
			US 2000199917	P	20000426	
			US 2001841847	A	20010425	
JP 2002041308	A	20020208	JP 2001168859	A	20010426	200215
KR 2001098904	A	20011108	KR 200122639	A	20010426	200227
CN 1405679	A	20030326	CN 2001119611	A	20010426	200344 N
TW 514832	A	20021221	TW 2001110000	A	20010426	200358

Priority Applications (No Type Date): US 2000199917 P 20000426; US 2000199753 P 20000426; US 2000199754 P 20000426; US 2000199755 P 20000426; US 2001841847 A 20010425; CN 2001119611 A 20010426

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1150208	A2	E	32	G06F-009/46	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 20020019843	A1			G06F-009/00	Provisional application US 2000199753
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Provisional application US 2000199754

Provisional application US 2000199755

Provisional application US 2000199917

JP 2002041308	A		79	G06F-009/46
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KR 2001098904	A			G06F-015/16
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CN 1405679	A			G06F-009/46
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TW 514832	A			G06F-009/46
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Abstract (Basic): EP 1150208 A2

NOVELTY - The time required for the server to execute specific tasks, is set during the primary phase of scheduling on the client. The subtasks are scheduled on the server, based on the time set to execute the tasks.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Object request broker method ;

(b) Server processor memory management;

(c) Data flow management method

USE - For scheduling client-server network with common object request broker architecture (CORBA).

ADVANTAGE - The tasks to be executed are scheduled efficiently in real-time.

DESCRIPTION OF DRAWING(S) - The figure shows the DSPORB architecture.

pp; 32 DwgNo 1/27

Title Terms: CLIENT; SERVE; SCHEDULE; METHOD; EXECUTE; TASK; SCHEDULE;

CLIENT; SERVE; BASED; SET; TIME

Derwent Class: T01

International Patent Class (Main): G06F-009/00; G06F-009/46; G06F-015/16

International Patent Class (Additional): G06F-012/08; G06F-013/00

File Segment: EPI

14/5/11 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013248622 **Image available**

WPI Acc No: 2000-420504/ 200036

Input and output argument processing method for a proxy object of remote object method call - NoAbstract

Patent Assignee: KOREA ELECTRONICS & TELECOM RES INST (KOEL-N); KOREA ELECTRONICS & TELECOM RES (KOEL-N)

Inventor: KIM D J; LEE G Y; NAM G H; PARK C H; YOO I W; NAMGOONG H

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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KR 99043761 A 19990615 KR 9764803 A 19971129 200036 B
KR 240631 B1 20000115 KR 9764803 A 19971129 200116

Priority Applications (No Type Date): KR 9764803 A 19971129

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

KR 99043761 A H04Q-009/00

KR 240631 B1 H04L-012/28

Title Terms: INPUT; OUTPUT; ARGUMENT; PROCESS; METHOD; OBJECT; REMOTE;
OBJECT; METHOD; CALL; NOABSTRACT

Derwent Class: W05

International Patent Class (Main): H04L-012/28; H04Q-009/00

File Segment: EPI

14/5/12 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012915257 **Image available**

WPI Acc No: 2000-087093/ 200007

XRPX Acc No: N00-068359

**Persistent representation producing system of complex data structures
used in multimedia presentation on TV and motion pictures**

Patent Assignee: MICROSOFT CORP (MICT)

Inventor: HALSTEAD M A B

Number of Countries: 021 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9963435	A1	19991209	WO 99US12578	A	19990604	200007 B
US 6096095	A	20000801	US 9890818	A	19980604	200039
EP 1082655	A1	20010314	EP 99955343	A	19990604	200116
			WO 99US12578	A	19990604	
JP 2002517817	W	20020618	WO 99US12578	A	19990604	200242
			JP 2000552581	A	19990604	

Priority Applications (No Type Date): US 9890818 A 19980604

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9963435 A1 E 34 G06F-009/45

Designated States (National): JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

US 6096095 A G06F-009/45

EP 1082655 A1 E G06F-009/45 Based on patent WO 9963435

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
LU MC NL PT SE

JP 2002517817 W 36 G06F-009/44 Based on patent WO 9963435

Abstract (Basic): WO 9963435 A1

NOVELTY - An authoring tool (210) creates data objects by calling a sequence of methods from the library (211), and records a sequence of code fragments (212) derived from the read information. A program generator (220) assembles the code fragments into a program constituting the persistent representation of the data structure.

DETAILED DESCRIPTION - A library (211) stores a set of data types, and methods for creating complex data structures, and information concerning the methods. A dictionary (213) stores references to the code fragments, each reference corresponding to one of the explicit results obtained using a selected method. An INDEPENDENT CLAIM is also included for method for producing persistent representation of multi component data structure, using a storage medium containing an instruction executed by a suitably programmed computer.

USE - For producing persistent representation of complex data structures used in multimedia presentation on TV and motion pictures.

ADVANTAGE - The author's inputs are converted into a new form of persistent representation for specifying the structure of complex data presentation. The process of representing a data structure as a dynamic program is simple and requires no generation of separate explicitly description of the data structure. A two-pass process for producing temporary variables avoids redundant code in the program that forms persistent representation. A dictionary of function result values simplifies references to other instructions in the program, thus permitting efficient coding.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic block diagram of a complex data structure persistent representation producing system.

Authoring tool (210)
Library (211)
Dictionary (213)
Program generator (220)
pp; 34 DwgNo 2/5

Title Terms: PERSISTENT; REPRESENT; PRODUCE; SYSTEM; COMPLEX; DATA; STRUCTURE; PRESENT; TELEVISION; MOTION; PICTURE

Derwent Class: T01

International Patent Class (Main): G06F-009/44; G06F-009/45

International Patent Class (Additional): G06F-013/00; G06T-011/20; G06T-013/00

File Segment: EPI

14/5/13 (Item 12 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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012338893 **Image available**

WPI Acc No: 1999-145000/ 199913

XRPX Acc No: N99-105528

Multiple node cluster simulation on single computer

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: FOUGHT S K; MURPHY D J; TALLURI M

Number of Countries: 028 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 899659	A2	19990303	EP 98306745	A	19980824	199913 B
JP 11134219	A	19990521	JP 98245425	A	19980831	199931
CA 2245781	A	19990228	CA 2245781	A	19980825	199933
US 6074427	A	20000613	US 97919128	A	19970830	200035

Priority Applications (No Type Date): US 97919128 A 19970830

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 899659 A2 E 11 G06F-009/46

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 11134219 A 12 G06F-011/28

CA 2245781 A G06F-009/445

US 6074427 A G06F-009/44

Abstract (Basic): EP 899659 A2

NOVELTY - Simulates a kernel OS of a node (user-level simulated kernel domains, ULSKD) by generating user-level domains (210) each having distinct address spaces and user-level procedures. Each ULSKD has an executable procedure with a gateway handler procedure (222) that receives a select execute request. An interprocess communication mechanism provides communication between a kernel domain and user-level domain. An object request broker invokes an object method and the subset of user-level simulated kernel domains (with debugging) represent node clusters.

USE - For simulating on one computer (200) parallel processing

systems, particularly multiple kernel OSs in a cluster processing environment.

ADVANTAGE - Allows cluster environment to be simulated for debugging.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the simulated cluster environment.

Single computer system (200)

User level domain (210)

Simulated gateway procedure (222)

pp; 11 DwgNo 2/4/4

Title Terms: MULTIPLE; NODE; CLUSTER; SIMULATE; SINGLE; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-009/44; G06F-009/445; G06F-009/46; G06F-011/28

International Patent Class (Additional): G06F-009/455; G06F-015/16; G06F-015/76

File Segment: EPI

14/5/14 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011893203 **Image available**

WPI Acc No: 1998-310113/199827

XRPX Acc No: N98-243091

Message dispatching method between software agent and internal objects - by introducing independent object for maintaining information regarding subscription and separating creation process of internal object from that of software agent NoAbstract

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RD 409108	A	19980510	RD 98409108	A	19980420	199827 B

Priority Applications (No Type Date): RD 98409108 A 19980420

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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RD 409108	A	1	G06F-000/00	
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Title Terms: MESSAGE; DISPATCH; METHOD; SOFTWARE; AGENT; INTERNAL; OBJECT; INTRODUCING; INDEPENDENT; OBJECT; MAINTAIN; INFORMATION; SUBSCRIBER; SEPARATE; CREATION; PROCESS; INTERNAL; OBJECT; SOFTWARE; AGENT; NOABSTRACT

Derwent Class: T01

International Patent Class (Main): G06F-000/00

File Segment: EPI

14/5/15 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011693894 **Image available**

WPI Acc No: 1998-110804/ 199810

XRPX Acc No: N98-088632

Stored object calling method - using proxy handle data structure associated with particular object and associated object reference, for making object calls to associated object on client side

Patent Assignee: TANDEM COMPUTERS INC (TAND); 724 SOLUTIONS SOFTWARE INC (SEVE-N)

Inventor: SCHOFIELD A

Number of Countries: 019 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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WO 9802812	A1	19980122	WO 97US11886	A	19970710	199810	B
EP 912935	A1	19990506	EP 97934071	A	19970710	199922	
			WO 97US11886	A	19970710		
JP 2000515279	W	20001114	WO 97US11886	A	19970710	200062	
			JP 98506106	A	19970710		
US 6751798	B1	20040615	US 96680266	A	19960711	200439	

Priority Applications (No Type Date): US 96680266 A 19960711

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9802812	A1	E	35	G06F-009/46	
				Designated States (National): JP	
				Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE	
EP 912935	A1	E		G06F-009/46	Based on patent WO 9802812
				Designated States (Regional): DE ES FI FR GB IT NL SE	
JP 2000515279	W		45	G06F-009/46	Based on patent WO 9802812
US 6751798	B1			G06F-009/34	

Abstract (Basic): WO 9802812 A

The **method** for performing distributed object calls involves using **proxies** on the client side and memory allocation on the server side. The **method** involves the creation of a **proxy** handle data structure to be associated with a particular object and its associated object reference.

On the client side, object calls to the associated object are then made using the proxy handle, thus allowing multiple calls to the same object and eliminating the need to perform certain initialisation functions each time a call is made. On the server side, the server allocates memory in a platform-independent manner.

USE - Performing distributed object calls using proxies and memory allocation.

ADVANTAGE - Resources are preserved by minimising wild pointers and memory leaks that could occur during calling and implementation of objects.

Dwg.6/10

Title Terms: STORAGE; OBJECT; CALL; METHOD; HANDLE; DATA; STRUCTURE; ASSOCIATE; OBJECT; ASSOCIATE; OBJECT; REFERENCE; OBJECT; CALL; ASSOCIATE; OBJECT; CLIENT; SIDE

Derwent Class: T01

International Patent Class (Main): G06F-009/34; G06F-009/46

International Patent Class (Additional): G06F-009/44; G06F-013/00; G06F-015/16

File Segment: EPI

14/5/16 (Item 15 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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011314056 **Image available**

WPI Acc No: 1997-291960/ 199727

XRPX Acc No: N97-241593

Object oriented information handling system - has system control program for controlling operation of system and object adaptor for managing instances of objects under control of system control program

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)

Inventor: COPELAND G P; HAMBRICK G M; HIGH R H

Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2308209	A	19970618	GB 9623986	A	19961119	199727 B
JP 9212346	A	19970815	JP 96321653	A	19961202	199743
GB 2308209	B	20000628	GB 9623986	A	19961119	200033
US 6782538	B1	20040824	US 95572474	A	19951214	200457

Priority Applications (No Type Date): US 95572474 A 19951214

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2308209	A		29	G06F-009/44	
JP 9212346	A		10	G06F-009/06	
GB 2308209	B			G06F-009/44	
US 6782538	B1			G06F-009/44	

Abstract (Basic): GB 2308209 A

The system includes one or more processors (12), a storage system (14), one or more I/O controllers (18,20,22,4). A system bus (16) operatively connects the processors, the storage system and the I/O controllers. A system control program for controlling the operation of the system. A object adapter is used for managing instances of objects under the control of the system control program.

The object adapter has an instance manager, that contains a device for receiving messages, device for converting the received messages into method calls, a device for requesting a root instance manager to find or activate an object given a key and a class, a device for requesting an **object resource broker** to **invoke** a **method** on the object identified by a first portion of the key, if a first parameter has a first value, and device for directly invoking the method if the first parameter has any value other than the first value.

ADVANTAGE - Allows more efficient generation of keys for objects that may be found and activated from generated keys in object oriented system.

File 348:EUROPEAN PATENTS 1978-2005/Apr W02
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File 349:PCT FULLTEXT 1979-2005/UB=20050414,UT=20050407
(c) 2005 WIPO/Univentio

Set	Items	Description
S1	712	(METHOD? ?(3W) (CALLED OR INVOKED OR REQUESTED)) (7W)OBJECT?
	?	
S2	951	(OBJECT? ?(3W) (CALL? ? OR CALLING OR INVOKE OR INVOKES OR - INVOKING OR REQUEST OR REQUESTS OR REQUESTING)) (5W)METHOD? ?
S3	177	(METHOD(5W) (BROKERED OR FORWARD??? OR ADVANC??? OR CONVEY?- ?? OR PASS???()ON OR DISPATCHED)) (7W)OBJECT? ?
S4	170	((BROKERING OR BROKERS OR DISPATCHING OR DISPATCHES OR FOR- WARD??? OR ADVANC??? OR CONVEY??? OR PASS???()ON) (5W)METHOD) (- 7W)OBJECT? ?
S5	0	(BROKERED(3W)METHOD) (7N)OBJECT
S6	105408	METHOD? ?(7N) (BROKER OR AGENT? ? OR PROXY OR PROXIES OR EN- VOY? ? OR GO()BETWEEN OR INTERMEDIAR??? OR MEDIAR??? OR MIDDLE- EM?? OR MIDDLEWARE OR REPOSITORY OR REPOSITORIES OR DIRECTORY OR DIRECTORIES OR LIBRARY OR LIBRARIES OR POOL? ?)
S7	7	S1:S2(50N)S3:S4
S8	151	S1:S2(50N)S6
S9	8	S3:S4(50N)S6

7/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01733929

Remote object invocation system and method
Fernobjektaufrufsystem und -verfahren
Systeme et methode d'invocation d'objets a distance

PATENT ASSIGNEE:

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INVENTOR:

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PATENT (CC, No, Kind, Date): EP 1420340 A1 040519 (Basic)

APPLICATION (CC, No, Date): EP 2002354178 021115;

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/46

ABSTRACT WORD COUNT: 200

NOTE:

Figure number on first page: 9

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200421	1040
SPEC A	(English)	200421	7463
Total word count - document A			8503
Total word count - document B			0
Total word count - documents A + B			8503

...SPECIFICATION data associated with the object; interpretatively processing the introspection data to establish a proxy object bearing an associated proxy object method corresponding to the remote **object method** ; **invoking** , in response to an action of client software, the proxy object **method** ; **conveying** invocation data associated with the proxy **object method** to the remote object; invoking, in response to the invocation data, the method of the remote object; and returning invocation result data to the...

...CLAIMS produce introspection data associated with the method; interpretatively processing the introspection data to establish a proxy object bearing an associated proxy method for the remote **object method** ; **invoking** , in response to an action of client software, the proxy object **method** ; **conveying** invocation data associated with the proxy **object method** to the remote object; invoking, in response to the invocation data, the method of the remote object; and returning invocation result data to the...

7/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00789102

Method and apparatus for generation and installation of distributed objects on a distributed object system
Verfahren und Gerat zum Erzeugen und Installieren von verteilten Objekten auf einem verteilten Objektsystem
Methode et appareil pour generer et installer des objets distribues sur un

systeme d'objets distribue

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 735474 A2 961002 (Basic)
EP 735474 A3 970115
EP 735474 B1 030507

APPLICATION (CC, No, Date): EP 96301250 960223;

PRIORITY (CC, No, Date): US 414240 950331

DESIGNATED STATES: DE; FR; GB; IT; SE

INTERNATIONAL PATENT CLASS: G06F-009/46

ABSTRACT WORD COUNT: 141

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200319	1756
CLAIMS B	(German)	200319	1553
CLAIMS B	(French)	200319	2089
SPEC B	(English)	200319	9812
Total word count - document A			0
Total word count - document B			15210
Total word count - documents A + B			15210

...SPECIFICATION running, the object adapter passes the invocation as shown at 410 to a skeleton 412 for object 308. The skeleton receives the request from the **object** adapter and **calls** the appropriate operation, or **method**, in the **object** and **forwards** to the client any return values.

Thus, it will be appreciated that distributed objects require an extensive amount of programming effort beyond that required to...

7/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00747898 **Image available**

**SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR EVENT AND ACTION
MANAGEMENT IN DATA PROCESSING SYSTEMS USING EVENT HANDLER
INTERMEDIARIES**

**SYSTEMES, PROCEDES ET PROGICIELS DE GESTION D'EVENEMENTS ET D'ACTIONS DANS
DES SYSTEMES DE TRAITEMENT DE DONNEES UTILISANT DES INTERMEDIAIRES DE
TRAITEMENT D'EVENEMENTS**

Patent Applicant/Assignee:

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(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)
GEORGE Vincent A, 3165-305 Hidden Pond Drive, Raleigh, NC 27613, US, US
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ANTHONY John Michael, 1417 Curfman Street, Raleigh, NC, US, US

(Residence), US (Nationality), (Designated only for: US)
BANNER Roger Lee, 3508 Berdan Court, Raleigh, NC 27616, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

MEEKS Robert M (et al) (agent), Myers, Bigel, Sibley & Sajovec, P.A.,
P.O. Box 37428, Raleigh, NC 27627, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200060455 A2-A3 20001012 (WO 0060455)
Application: WO 2000US8509 20000328 (PCT/WO US0008509)
Priority Application: US 99285394 19990402

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ
CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE
EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10980

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... an Event Source object is identified to an Event Handler object by performing a method call from the Event Source object to the Event Handler object, the method call conveying an identification for the Event Source object to the Event Handler object. An Event Listener object is identified and a target event definition provided by performing a method call from the Event Listener object to the Event Handler object, the method call conveying an identification for the Event Listener object and the target event definition. The target event definition may specify, for example, an event from a specific Event Source object, a specific class of...

Claim

... said step of identifying an Event Source object comprises the step of performing a method call from the Event Source object to the Event Handler object, the method call conveying an identification for Event Source object to the Event Handler object;
and
wherein said steps of identifying an Event Listener object and providing a target event definition comprise the step of performing a method call from the Event Listener object to the Event Handler object, the method call conveying an identification for the Event Listener object and the target event definition.

8 A method according to Claim 1, wherein the target event definition specifies an event from a specific Event Source...said step of identifying an Event Source object comprises the step of performing a method call from the Event Source object to the Event Handler object, the method call conveying an identification for Event Source object to the Event Handler object;
and
wherein said steps of identifying an Event Listener object and providing a target event definition comprise the step of performing a method call from the Event Listener object to the Event Handler object, the method call conveying an identification for the Event Listener object

and the target event definition.

53 A computer program product according to Claim 46, wherein the target event definition specifies at least one of an...

7/3,K/4 (Item 2 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00552837 **Image available**
AFFILIATE COMMERCE SYSTEM AND METHOD
SYSTEME ET PROCEDE DE COMMERCE AFFILIE
Patent Applicant/Assignee:
NEXCHANGE CORPORATION,

Inventor(s):
ROSS D Delano Jr,
ROSS Daniel D,
MICHAELS Joseph R,
MAY William R,
ANDERSON Richard A,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200016210 A1 20000323 (WO 0016210)
Application: WO 99US21656 19990917 (PCT/WO US9921656)
Priority Application: US 98100697 19980917

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG
UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ
TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI
CM GA GN GW ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 18213

Fulltext Availability:
Detailed Description

Detailed Description

... entirety) object as a parameter and return a DOM object as the response. The request will be relayed to the application server tier where a **dispatching method** will unpack the request object, inspect it, **invoke** the desired method, and send back the response object. This approach means that new functionality becomes available as soon as the application server is upgraded. It is not...

7/3,K/5 (Item 3 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00326255 **Image available**
SYSTEM AND METHOD FOR PROVIDING INTEROPERABILITY AMONG HETEROGENEOUS OBJECT SYSTEMS
SYSTEME ET PROCEDE ASSURANT L'INTERFONCTIONNEMENT ENTRE SYSTEMES OBJETS HETEROGENES

Patent Applicant/Assignee:
VISUAL EDGE SOFTWARE LIMITED,
FOODY Daniel M,
FOODY Michael A,
Inventor(s):
FOODY Daniel M,
FOODY Michael A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9608765 A1 19960321
Application: WO 95CA513 19950915 (PCT/WO CA9500513)
Priority Application: US 94306481 19940915

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ
TM TT UA UG US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: Spanish

Fulltext Word Count: 47727

Fulltext Availability:

Detailed Description

Detailed Description

... the
native object is retrieved, and in turn, the VFunctionData
for the corresponding method of the native object is
retrieved. These are passed to the **forwarding** engine for
forwarding of the **method** call.

Construction of a proxy **object** can be triggered by the
5 user, as in 42, or by the type conversion system. when
triggered by type conversion, only AcquireProxy need be
called. .

When the AcquireProxy **method** is called , prior to
creating a new proxy **object** , (inverted exclamation mark)t must check if
a proxy object for the native object already exists in this object
system.

Utilizing a capabilities provided by...

7/3,K/6 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00313634

METHOD AND APPARATUS FOR HANDLING REQUESTS REGARDING INFORMATION STORED IN
A FILE SYSTEM

PROCEDE ET APPAREIL SERVANT A TRAITER DES DEMANDES RELATIVES AUX
INFORMATIONS STOCKEES DANS UN SYSTEME DE FICHIERS

Patent Applicant/Assignee:

APPLE COMPUTER INC,
SZYMANSKI Steven James,
BRUFFEY Bill Monroe,

Inventor(s):

SZYMANSKI Steven James,
BRUFFEY Bill Monroe,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9531787 A1 19951123
Application: WO 95US6009 19950515 (PCT/WO US9506009)
Priority Application: US 94245141 19940513

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ
TM TT UA UG US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 35532

Fulltext Availability:
Claims

Claim

... further comprising the step of
receiving said messages from said port.

44 The method according to claim 42, wherein said objects comprise
a file manager **object** for receiving a **request** from said interface
means, said **method** further comprising the step of **forwarding** said
request from said file manager **object** to said format agent means based
on information provided in said request.

45 The method according to claim 40, wherein the step of storing
the...

7/3,K/7 (Item 5 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00307938

**DISTRIBUTED AUTONOMOUS OBJECT ARCHITECTURE FOR NETWORK LAYER ROUTING
ARCHITECTURE REPARTIE POUR OBJETS AUTONOMES ASSURANT L'ACHEMINEMENT AU
NIVEAU DE LA COUCHE RESEAU**

Patent Applicant/Assignee:

CABLETRON SYSTEMS INC,

Inventor(s):

DOBBINS Kurt,
DOBBINS Kris,
CORMIER Len,
YOHE Kevin,
HAGGERTY William,
SIMONEAU Paul,
SOCZEWINSKI Rich,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9526090 A1 19950928
Application: WO 95US3606 19950321 (PCT/WO US9503606)
Priority Application: US 94216541 19940322

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AU JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 17076

Fulltext Availability:
Detailed Description
Claims

Detailed Description

... can now be

described with regard to Fig. 4. In response to receipt of a
- 14

data packet on interface object-1 (11), the interface **object**
11 **calls** a service **method** in its bound **forwarding** engine
object 12. The service **method** removes the sublayer framing
on the network packet and performs a validation and
extraction of the destination network address from ...in cache memory,
accessing a forward look-up table 20 for the best route to
the destination network address, and then updating its
cache. The **method** then returns the destination **forwarding**
engine **object** handle.

Assuming the destination is interface N, upon receipt of the destination forwarding engine object - handle, a service method is called in the destination forwarding engine object 15. The service method validates the destination address, performs a look-up in an address cache to obtain a media specific address of the destination, and the service method...

Claim

... in cache memory, accessing a forwarding lookup table for the best route to the destination network address and updating the cache; and returning the destination forwarding engine object handle,

9 The method of claim 8, further comprising:
upon receipt of the destination forwarding engine object handle,
calling a service method in the destination forwarding engine object ,

- 64

the service method validating the destination address;
the service method looking up in an address cache to obtain a media specific address of the destination; and
the service...

9/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01733929

Remote object invocation system and method
Fernobjektaufrufsystem und -verfahren
Systeme et methode d'invocation d'objets a distance

PATENT ASSIGNEE:

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INVENTOR:

Cioccarelli, Dominic, 5/25 Mosman St., Mosman NSW 2088, (AU)

LEGAL REPRESENTATIVE:

Lloyd, Richard Graham (75503), Intellectual Property Section, Legal
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Grenoble Cedex 9, (FR)

PATENT (CC, No, Kind, Date): EP 1420340 A1 040519 (Basic)

APPLICATION (CC, No, Date): EP 2002354178 021115;

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/46

ABSTRACT WORD COUNT: 200

NOTE:

Figure number on first page: 9

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200421	1040
SPEC A	(English)	200421	7463
Total word count - document A			8503
Total word count - document B			0
Total word count - documents A + B			8503

...SPECIFICATION method comprising the steps of introspecting the remote object to produce introspection data associated with the object; interpretatively processing the introspection data to establish a **proxy** object bearing an associated **proxy** object **method** corresponding to the remote object **method**; invoking, in response to an action of client software, the **proxy** object **method**; conveying invocation data associated with the **proxy** object **method** to the remote object; invoking, in response to the invocation data, the method of the remote object; and returning invocation result data to the client...

...CLAIMS method comprising the steps of introspecting the remote object to produce introspection data associated with the method; interpretatively processing the introspection data to establish a **proxy** object bearing an associated **proxy** **method** for the remote object **method**; invoking, in response to an action of client software, the **proxy** object **method**; conveying invocation data associated with the **proxy** object **method** to the remote object; invoking, in response to the invocation data, the method of the remote object; and returning invocation result data to the client software via the object **proxy**.

17. A **method** of invoking, from a first computer, a remote object located on a second computer, the method comprising the steps of introspecting, at the second computer...

9/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00848016

RECOVERABLE PROXY OBJECT IN AN OBJECT ORIENTED ENVIRONMENT
RUCKSTELLBARES PROXYOBJEKT IN EINER OBJEKTORIENTIERTEN UMGEBUNG
OBJET MANDATAIRE RECUPERABLE DANS UN ENVIRONNEMENT ORIENTE OBJETS
PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200123), , Armonk, NY
10504, (US), (Proprietor designated states: all)

INVENTOR:

COLYER, Adrian, Mark, 27 Bath Road Bitterne, Southampton SO19 5ES, (GB)

LEGAL REPRESENTATIVE:

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Intellectual Property Department, Hursley Park, Winchester, Hampshire
SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 850445 A1 980701 (Basic)
EP 850445 B1 000419
WO 9710545 970320

APPLICATION (CC, No, Date): EP 96900388 960123; WO 96GB108 960123

PRIORITY (CC, No, Date): GB 9518951 950915

DESIGNATED STATES: DE; GB

INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-009/44

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200016	793
CLAIMS B	(German)	200016	729
CLAIMS B	(French)	200016	849
SPEC B	(English)	200016	7253
Total word count - document A			0
Total word count - document B			9624
Total word count - documents A + B			9624

...SPECIFICATION a proxy object, is described with reference to figure 8. A second embodiment, operating synchronously, is then described with reference to figure 9. Prior art **dispatching** of a **method** call by a DSOM **proxy** object to a remote server is then described with reference to Example 3. Dispatching of a **method** call by a DSOM **proxy** to a remote server according to the present invention is then described with reference to Example 4.

Proxy register object

Figure 4 shows a client...proxies will have disappeared when the client starts up again, the overhead of the additional invalid proxies is not great.

Dispatching

Dispatching is merely the **dispatching** of a **method** call by a DSOM **proxy** object to a remote server. The present invention requires a variation from the default dispatching method in order to determine whether to use the normal proxy or the alternate proxy. Example 3 shows in the IDL language the default prior art method of dispatching employed in a prior art DSOM **proxy** object. The dispatching **method** is provided by the DSOM framework and inherited by a proxy object on its creation.

Example 3- Default Dispatch Function Example :

Example 4 shows in...

9/3,K/3 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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01153716 **Image available**

**SEMANTIC KNOWLEDGE RETRIEVAL MANAGEMENT AND PRESENTATION
SYSTEME ET PROCEDE POUR UNE EXTRACTION, UNE GESTION, UNE CAPTURE, UN
PARTAGE, UNE DECOUVERTE, UNE DISTRIBUTION ET UNE PRESENTATION DE
CONNAISSANCES SEMANTIQUES**

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Legal Representative:

BLACK Richard T (agent), Black Lowe & Graham PLLC, 816 Second Avenue,
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200475466 A2-A3 20040902 (WO 0475466)

Application: WO 2004US4674 20040217 (PCT/WO US04004674)

Priority Application: US 2003447736 20030214

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 160617

Fulltext Availability:

Detailed Description

Detailed Description

... for deletion).

This model can also be applied to manage documents on local file-systems.
The model can be extended to content-management systems, document
repositories, etc. by configuring an Information Store Monitor (ISM) to
monitor these systems (via calls to the Information Nervous System™ XML
Web Services) and configuring the...

9/3,K/4 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01024638 **Image available**

METHOD AND SYSTEM FOR ATTRIBUTE MANAGEMENT IN A NAMESPACE

PROCEDE ET SYSTEME DE GESTION D'ATTRIBUT DANS UN ESPACE DE NOMMAGE

Patent Applicant/Assignee:

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98053, US, US (Residence), US (Nationality)

Inventor(s):

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BRADLEY Scott W, 12414-107th Place N.E., Kirkland, WA 98034, US,

Legal Representative:

PIRIO Maurice J (et al) (agent), Perkins Coie LLP, P.O. Box 1247,
Seattle, WA 98111-1247, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200354694 A2-A3 20030703 (WO 0354694)

Application: WO 2002US40677 20021218 (PCT/WO US02040677)

Priority Application: US 2001341932 20011218

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK
TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5155

Fulltext Availability:

Detailed Description

Detailed Description

... the objects of the object server. The application accesses the objects via proxy object 1221, which is an implementation of the namespace interface. When a **method** of the **proxy** object is invoked, the **method** marshals the parameters and **forwards** them to the **object** server. The **object** server performs the function of the **method** and then returns any parameters to the **proxy** object, which are then returned to the application program. The proxy object in one embodiment retrieves attributes associated with the data objects and stores them in cache 1223. When the application subsequently invokes a **method** of the **proxy** object that relies on attribute data (e.g., the get attribute method), the proxy object can retrieve the appropriate information from the attribute cache and...

9/3,K/5 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00764206 **Image available**

METHOD AND SYSTEM FOR DYNAMIC PROXY CLASSES

PROCEDE ET SYSTEME DE CLASSES MANDATAIRES DYNAMIQUES

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200077617 A2-A3 20001221 (WO 0077617)

Application: WO 2000US16079 20000613 (PCT/WO US0016079)

Priority Application: US 99332029 19990614

Designated States:

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AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5255

Fulltext Availability:
Detailed Description

Detailed Description

... of interfaces without requiring specialized code for each one.

In accordance with methods and systems consistent with the present invention, a client may invoke a **method** of an interface implemented by the **proxy** class to an instance of the proxy class, and the **proxy** class instance encodes and **dispatches** the **method** to an invocation handler **object** associated with the **proxy** class instance that processes the **method** invocation and returns the result to the client via the **proxy** class instance.

In accordance with **methods** and systems consistent with the present invention, a method in a data-processing system generates at runtime a proxy class that implements one or more...

9/3,K/6 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00326255 **Image available**
SYSTEM AND METHOD FOR PROVIDING INTEROPERABILITY AMONG HETEROGENEOUS OBJECT SYSTEMS
SYSTEME ET PROCEDE ASSURANT L'INTERFONCTIONNEMENT ENTRE SYSTEMES OBJETS HETEROGENES

Patent Applicant/Assignee:

VISUAL EDGE SOFTWARE LIMITED,
FOODY Daniel M,
FOODY Michael A,

Inventor(s):

FOODY Daniel M,
FOODY Michael A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9608765 A1 19960321
Application: WO 95CA513 19950915 (PCT/WO CA9500513)
Priority Application: US 94306481 19940915

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ
TM TT UA UG US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: Spanish
Fulltext Word Count: 47727

Fulltext Availability:
Detailed Description

Detailed Description

... called. When the method is called by the object system via the method table, the following steps are typically performed: First, the VFunctionData for the **method** of the **proxy** object just called is retrieved. Next, from the metadata of the proxy object, the VClassData of the native object is retrieved, and in turn, the VFunctionData

for the corresponding method of the native object is retrieved. These are passed to the forwarding engine for forwarding of the method call.

Construction of a proxy object can be triggered by the user, as in 42, or by the type conversion system. when triggered by type conversion, only AcquireProxy need be called. .

When the AcquireProxy method is called, prior to creating a new proxy object, (inverted exclamation mark)t must check if a proxy object for the native object already exists in this object system.

Utilizing a capabilities provided...

9/3,K/7 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00313634
METHOD AND APPARATUS FOR HANDLING REQUESTS REGARDING INFORMATION STORED IN A FILE SYSTEM

PROCEDE ET APPAREIL SERVANT A TRAITER DES DEMANDES RELATIVES AUX INFORMATIONS STOCKEES DANS UN SYSTEME DE FICHIERS

Patent Applicant/Assignee:

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SZYMANSKI Steven James,
BRUFFEY Bill Monroe,

Inventor(s):

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BRUFFEY Bill Monroe,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9531787 A1 19951123
Application: WO 95US6009 19950515 (PCT/WO US9506009)
Priority Application: US 94245141 19940513

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP
KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ
TM TT UA UG US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU
MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 35532

Fulltext Availability:

Claims

Claim

... modules based on information retrieved from the agent control block; and

- 193

replying to said interface module in accordance with a reply received from said agent module.

36 The method according to claim 31, wherein said objects comprise a file manager object for receiving a request from said interface modules and wherein said method further comprises the step of forwarding said request from said file manager object to said at least one agent module based on information provided in said request.

37 The method according to claim 36, wherein said step of...

9/3,K/8 (Item 6 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00284070

SYSTEM AND METHOD FOR DISTRIBUTED COMPUTATION BASED UPON MOVEMENT,
EXECUTION AND INTERACTION OF PROCESSES IN A NETWORK
SYSTEME ET PROCEDE DE CALCUL REPARTI A BASE DE LA CIRCULATION, DE
L'EXECUTION ET DE L'INTERACTION DE PROCESSUS DANS UN RESEAU

Patent Applicant/Assignee:

GENERAL MAGIC INC,

Inventor(s):

WHITE James E,
HELGESON Christopher S,
STEEDMAN Douglas A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9502219 A1 19950119

Application: WO 94US7397 19940708 (PCT/WO US9407397)

Priority Application: US 93521 19930708

Designated States:

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prior to 2004)

AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KG KP KR KZ LK LU
LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN BF BJ CF
CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 134654

Fulltext Availability:

Detailed Description

Detailed Description

... respective clone, to a single engine saves substantial
15 time and expense.

A first agent, occupying a place, can initiate a
meeting between the first agent and a second agent
occupying the place. During such a meeting, the first
agent can transfer to and receive from the second agent
20 data in the form of objects, and the second agent process
can transfer to and receive from the first agent data in
the form of objects.